

Handmade Burnished Ware in Late Bronze Age Greece and its makers

by

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Chapter 1:
Corpus characterisation and contextual analysis

Figure 1.1: Map of Mycenaean and Minoan sites mentioned in text



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Figure 1.2: Map of Eastern Mediterranean sites mentioned in text



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Figure 1.3: Chronological correlations table for Mycenaean/Minoan sites

Chronology ¹	Mycenae ² , Phases	Tiryns ³ , Horizons	Khania ⁴	Rutter 1977	Korakou ⁵ , Trenches	Aigeira ⁶ , Phase	Lefkandi ⁷ , Phase
LH IIIB1	VIB		LM IIIB1				
LH IIIB Middle/ LH IIIB2 Early	VII	16	LM IIIB2				
LH IIIB2 Late or Transitional	VIII	Dev.:17 Final:17, 18					
Part of Transitional? ⁸ and LH IIIC Early 1	Early IX	19	LM IIIB2- Mainly IIIC Early	1?	VI-V	Ia-Ib	1a
LH IIIC Early 2	Tower X			2			1a- Mainly 1b
LH IIIC Middle 1	Dev. XI	20		4 Early		Ib	Mainly 1b- 2a
LH IIIC Middle 2	Adv. XI	21	LM IIIC Early- Mainly IIIC Late	4 Late		II	Mainly 2a- 2b
LH IIIC Late and Submycenaean?	Final XII	22	LM IIIC Late	5 Early		II?	2b-3
		23	Subminoan?	5 Late			

¹ Partially based on: Vitale 2006; Mountjoy 2007; French, Stockhammer 2009.

² WBM 13: table 1; French, Stockhammer 2009: table 3.

³ French, Stockhammer 2009: table 4.

⁴ Hallager 2007: table 1.

⁵ Rutter 1974; Vitale 2006.

⁶ Deger-Jalkotzy 2003; Alram-Stern, Deger-Jalkotzy 2006: beilage 1.

⁷ Evely et al. 2006.

⁸ Question marks indicate that the correlation is hypothetical.

Figure 1.4: Table of HBW quantity per phase

Sites ⁹	Total published ¹⁰	LH/LM IIIB			LH/LM IIIC					Submycenaean
		Early/ B1	B Middle / B2 Early	B2 Late/ Trans	Early		Middle		Late/ Final	
					1	2	1/ Dev	2/ Adv		
Khania	121(+) ¹¹	? ¹²	89			31				
Tiryns ¹³	484		2	56	164		35	82	91	?
Mycenae ¹⁴	476(+)		3	81	36	78	84		19	?
Tylissos	1		1							
Ayia Pelagia	1		1							
Midea	2(+?)		?	2	?					
Nichoria	1			1						
Menelaion	52(+)				35					
Dimini	18(+?)				18					
Korakou	17			1?	12					
Thebes	10				9		1?			
Mitrou	3(+?)				1					
Knossos	1(+)					1				
Aigeira	34(+)	"Pre-Myc":11				3		4	1	
Lefkandi	11(+?)				5	3		1	2	
Asine	4						4			

⁹ The information provided in the table come from the main publication of each site, these are mentioned in: *1.1.1*. The quantities of vessels and fragments are the one mentioned in the publications available, consequently there are only indicative of the minimum amount found. Some sites where HBW has been found are not included in this table because the dating isn't precise enough.

¹⁰ The total per site corresponds to the HBW specimens so far published and includes HBW without a precise context.

¹¹ The quantity indicated includes all specimens published, even the ones without a precise context. The question mark means that there is more material which isn't published yet.

¹² Question marks alone indicate that there might still be unpublished material and future publications might change the picture.

¹³ When the dating of a specimen was assigned to two periods, the earliest one was chosen.

¹⁴ The data provided here corresponds to the information collected for the preliminary study presented in: *Chapter 4* and [Figure 4.8b].

Figure 1.5: Maps of Mycenaean sites with HBW in LH IIB

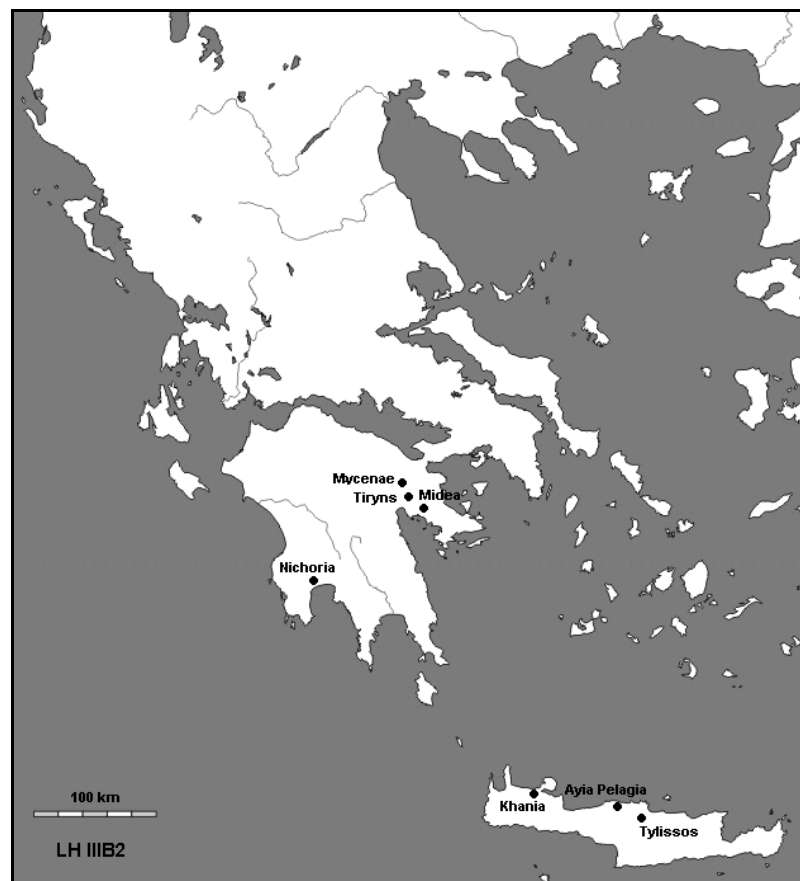
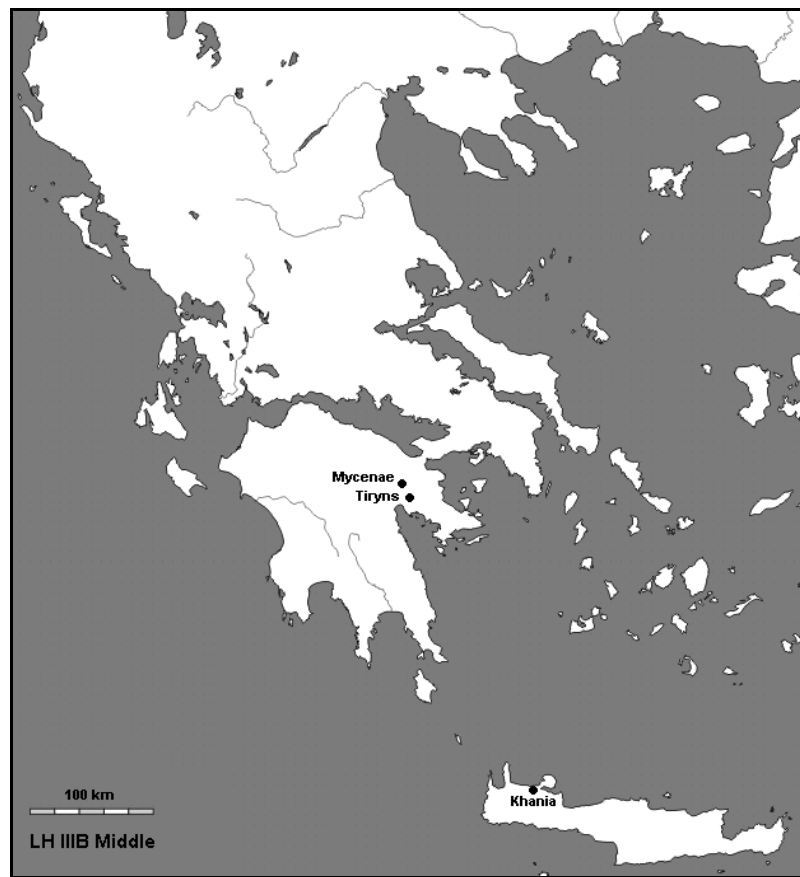




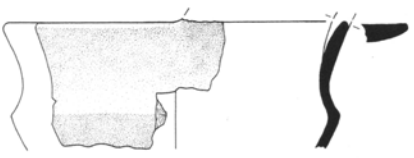
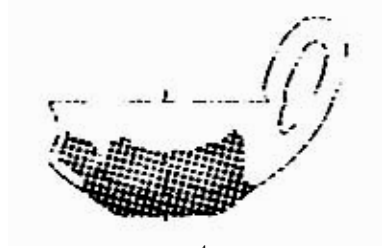

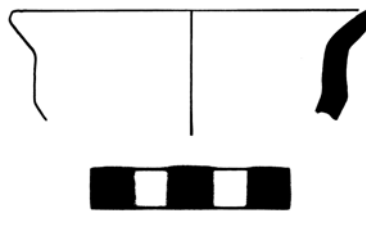
Figure 1.6: Maps of Mycenaean sites with HBW in LH IIC



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Chapter 2:
Typology of shapes and comparative analysis

Figure 2.1: Typological tables of HBW shapes

Type 1: Carinated vessels	
T1 Category 1: Vessel with strong carination and everted profile	
 <p>Lefkandi¹ (8/13)</p>	 <p>Aigeira² (2003a: 8.5)</p>
<p>"Carinated cup" D (rim) 16 cm, H 7.5 cm LH IIIC phase 1a</p>	<p>"Carinated bowl" D (rim) 24-25 cm "Pre-Mycenaean level"</p>
 <p>Tiryns³ (309)</p>	 <p>Dimini⁴ (13e)</p>
<p>"Tasse - knickwandschale" D (rim) 18 cm LH IIIC Early</p>	<p>Not mentioned LH IIIC Early</p>
 <p>(published illustration was wrong) Korakou⁵ (13)</p>	 <p>Mycenae⁶</p>
<p>"Open vase, carinated body" D (carination) 15 cm LH IIIC Advanced?</p>	<p>GMBW' 68/240 HBW1 D (rim) 9 cm LH IIIB2</p>

¹ All Lefkandi HBW drawings/photographs from: Evelyn et al. 2006.

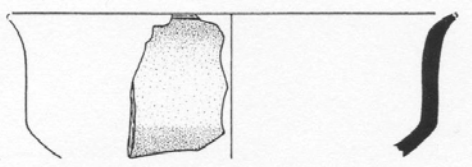
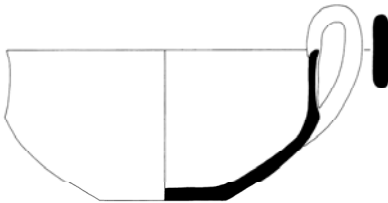


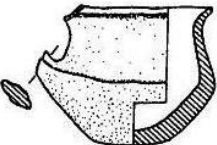
² HBW drawings/photographs from Aigeira are either from: Deger-Jalkotzy 1977; 2003a; or Deger-Jalkotzy, Alram-Stern 1985.

³ All Tiryns HBW drawings from: Kilian 2007.

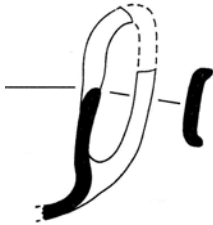


⁴ All Dimini HBW drawings from: Adrimi-Sismani 2006.

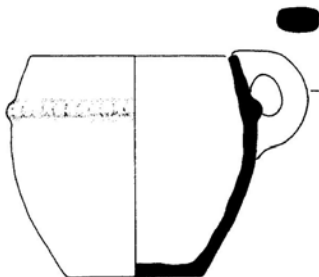

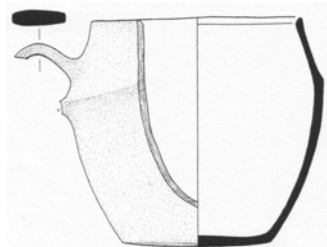
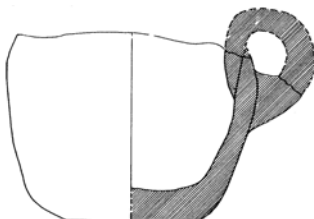
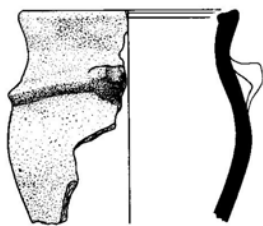
⁵ All Korakou HBW drawings from: Rutter 1975.

⁶ References to HBW drawings from Mycenae: 4.3.

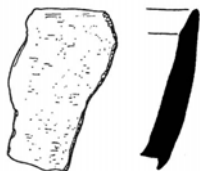

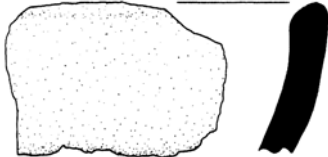
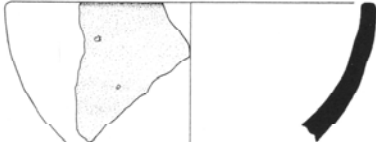
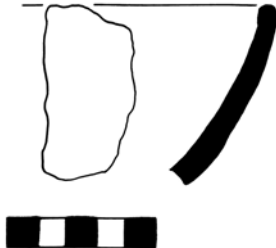
T1 Category 2: Vessel with strong carination, upright upper body	
	
Tiryns (310)	Khania ⁷ (71-P 0182)
"Tasse - knickwandschale" D (rim) 16.2 cm LH IIIC Early	"Ciotola carenata" D (rim) 23 cm, H 12 cm LM IIIB2
T1 Category 3: Vessel with strong carination, inward upper body	
	
Tiryns (305)	Dimini (13b)
"Tasse - knickwandschale" D (rim) 10.5 cm LH IIIC Advanced	D (carination) 21 cm LH IIIC Early
	
Aigeira (1985:3)	
D (rim) 7 cm, H 6.5 cm LH IIIC phase I	



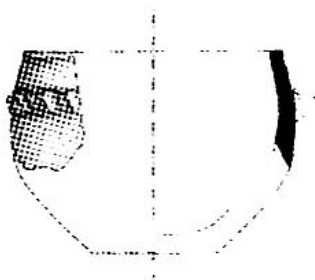

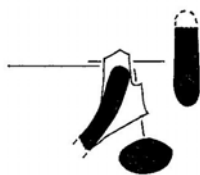
⁷ All Khania HBW drawings/photographs from: Hallager, Hallager 2000, for LM IIIC; Hallager, Hallager 2003, for LM IIIB2.

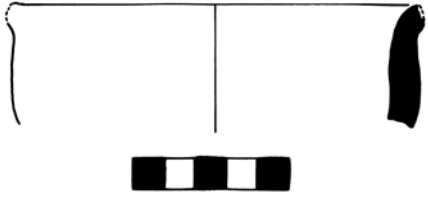


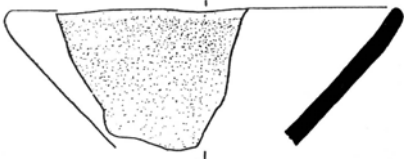

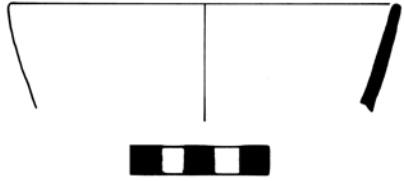
T1 Category 4: Vessel with gentle rounded carination and high-swung handle	
 <p>Korakou (7)</p>	 <p>Khania (80-P 0427+80-P 0346)</p>
<p>"Kantharos" D (rim) 17 cm LH IIIC Early</p>	<p>"Ciotola carenata" Fragmentary LM IIIC</p>
T1 Category 5: Vessel with gentle rounded carination and knob(s)/lug(s)	
 <p>Khania (84-P 1345)</p>	
<p>"Ciotola carenata" D (rim) 20 cm LM IIIB2</p>	

Type 2: Cups	
T2 Category 1: Convex-sided cup with vertical handle	
 <p>Lefkandi (65/P107)</p>	 <p>Menelaion⁸ (21)</p>
<p>"Italian cup" D (rim) 10.5 cm, H 10.5 cm LH IIIC phase 1b</p>	<p>"Mug/beaker" Not mentioned LH IIIB2-IIIC Early</p>
 <p>Tiryns (299)</p>	 <p>Aigeira (1977:12)</p>
<p>"Becher" D (rim) 12 cm, H 13 cm LH IIIB Middle</p>	<p>"Cup with ring handle" D (rim) 10.5 cm, H 8.5 cm Not mentioned</p>
T2 Category 2: Collared cup (with handle?)	
 <p>Tiryns (296)</p>	
<p>"Becher" D (rim) 12 cm Not mentioned</p>	





⁸ All Menelaion HBW drawings from: Catling 1981, except mentioned otherwise.







Type 3: Bowls	
T3 Category 1: Rounded bowl (D rim ≤ 20 cm)	
 <p>Menelaion (31)</p>	 <p>Khania (71-P 0416)</p>
<p>"Basin" "Not estimated" LH IIIB2</p>	<p>"Scodella" D (rim) 20 cm Post-Minoan strata</p>
 <p>Aigeira (2003a: 8.2)</p>	 <p>Tiryns (239)</p>
<p>"Large bowl" Fragmentary "Pre-Mycenaean level"</p>	<p>"Deckel" D (rim) 20 cm LH IIIC Developed/Advanced</p>
 <p>Mycenae</p>	
<p>G23'64/198 HBW1 Fragmentary LH IIIC Developed/Advanced</p>	

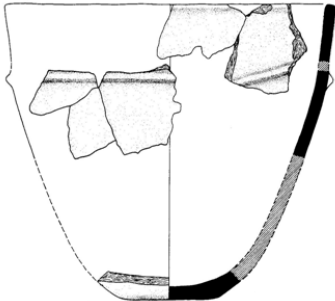


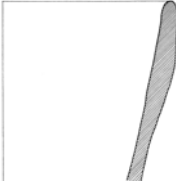
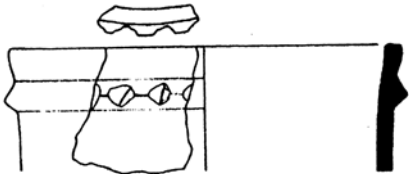
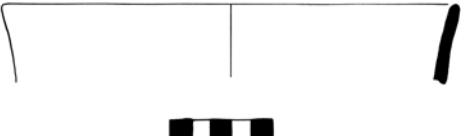
Decorated	
 <p>Aigeira (2003a: 7.6)</p>	 <p>Menelaion (26)</p>
<p>"Semi-globular cup" D (rim) 10 cm, H 4.5 cm "Pre-Mycenaean level"</p>	<p>"Bowl" Fragmentary LH IIIB2</p>
 <p>Dimini (11g)</p>	
<p>Not mentioned LH IIIC Early</p>	
T3 Category 2: Rounded bowl/cup with vertical handle(s)	
 <p>Tiryns (314)</p>	 <p>Korakou (11)</p>
<p>"Konische Tasse mit Schlaufenhenkel" D (rim) 21 cm LH IIIC Late</p>	<p>"Cup" Fragmentary LH IIIC Early</p>

 <p>Mycenae</p>	
<p>G32'69/165 HBW1 D (rim) 13 cm LH IIIB2</p>	
<p>T3 Category 3: Conical bowl/cup</p>	
 <p>Dimini (13f)</p>	 <p>Tiryns (316)</p>
<p>D (rim) 5 cm LH IIIC Early</p>	<p>"Schale" D (rim) 13 cm LH IIIC Early</p>
 <p>Tiryns (326)</p>	 <p>Thebes⁹ (270)</p>
<p>"Schale" D (rim) 18 cm LH IIIB Developed</p>	<p>"Basin" Fragmentary LH IIIC Early</p>
 <p>Mycenae</p>	
<p>GMBW'68/006 HBW1 D (rim) 14 cm LH IIIC Advanced/Developed?</p>	

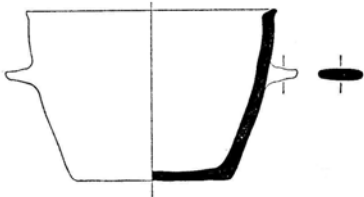

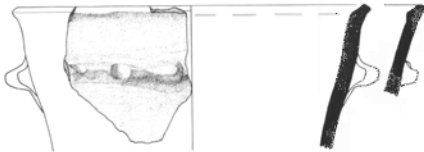
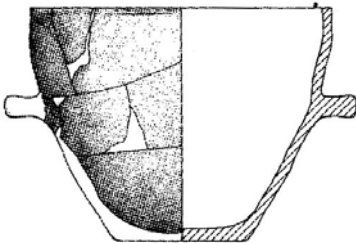

⁹ All Thebes HBW drawings from: Andrikou et al. 2006.


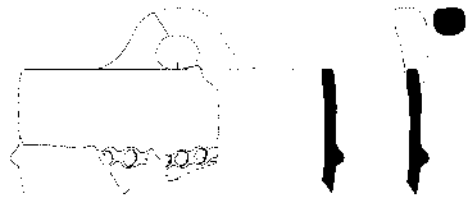
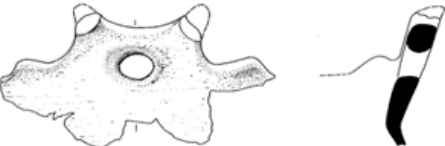

T3 Category 4: Vessel on foot, kylix	
 <p>Mitrou (fig. 18.3.14)</p>	  <p>Mycenae</p>
<p>"Kylix" Fragmentary LH IIIC? (mixed context)</p>	<p>G23'68/038 HBW1 Fragmentary LH IIIC Early</p>
 <p>Tiryns (327)</p>	
<p>"Schale" D (rim) 15 cm LH IIIC Advanced</p>	

Type 4: Basins	
T4 Category 1: Basin	
	
Aigeira (2003a: 9.3)	Tiryns (322)
"Large bowl" D (rim) 30-32 cm LH IIIC phase I b	"Schale" D (rim) 26.5 cm LH IIIB Developed
	
Mycenae	
GMB'68/060 HBW1 D (rim) 27 cm LH IIIC Advanced/Developed	
T4 Category 2: Basin with handles	
	
Korakou (4)	Dimini (13c)
"Basin" D (rim) 30 cm LH IIIC Early	D (rim) 32 cm LH IIIC Early
T4 Category 3: Basin with strong incurving rim	
	
Dimini (13a)	
D (rim) 26 cm, H 10 cm LH IIIC Early	



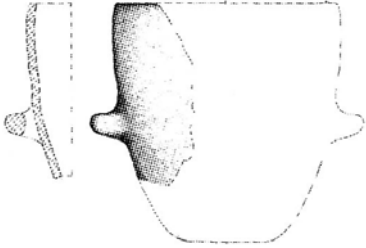
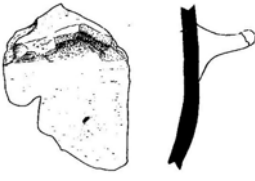

Type 5A: Buckets with conical profile	
T5A Category 1: Simple bucket	
	
Tiryns (17)	Thebes (255)
"Eimer-Situla" D (rim) 29.5 cm, H 26 cm LH IIIC Advanced	"Jar" D (rim) 18 cm LH IIIC Early
	
Khania (77-P 0538+71-P 1501)	Aigeira (1977:16)
"Olla" D (rim) 31.2 cm LM IIIB2	"Bucket-like vessel" Fragmentary Not mentioned
	
Mitrou ¹⁰ (fig. 18.3: 13)	Mycenae
"Jar" D (rim) 13.8 cm Surface find	GMBW'68/134 HBW1 D (rim) 22 cm LH IIIC Early

¹⁰ All Mitrou HBW drawings from: Lis 2009.

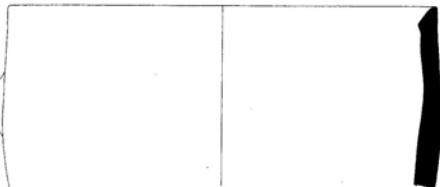
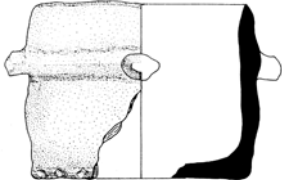
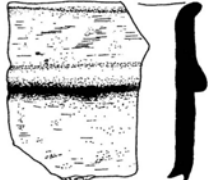

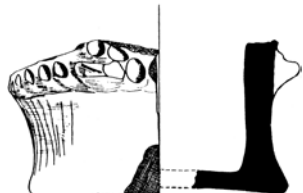
T5A Category 2: Bucket with lug handles	
	
<p>Korakou (3)</p> <p>"Deep bowl" D (rim) 26 cm, H 18 cm LH IIIB Advanced or IIIC Early</p>	<p>Khania (80-P 0235)</p> <p>"Olla with flaring rim" D (rim) 24 cm LM IIIC</p>
	
<p>Tiryns (5)</p> <p>"Schüssel" D (rim) 18 cm LH IIIC developed/advanced</p>	<p>Dimini (11a)</p> <p>D (rim) 27 cm, H 22 cm LH IIIC Early</p>
T5A Category 3: Bucket with vertical handle	
	
<p>Aigeira (1977:14)</p> <p>"Bucket-like vessel" Fragmentary "Pre-Mycenaean phase"</p>	


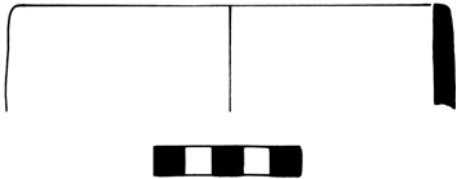
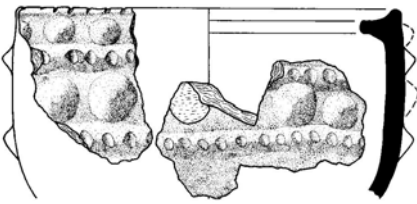
Type 5B : Situla	
 <p>Tiryns (18)</p>	 <p>Khania (80-P 0232/0234)</p>
<p>"Eimer - Situla" D (rim) 25.5 cm LH IIIC Late</p>	<p>"Vaso situliforme" D (rim) 24 cm LM IIIC</p>
 <p>Menelaion¹¹ (A 268)</p>	 <p>Mycenae</p>
<p>"Large bowl or basin" Fragment length: 20 cm LH IIIB2</p>	<p>G23'64/221 HBW1 Fragmentary LH IIIC Early</p>

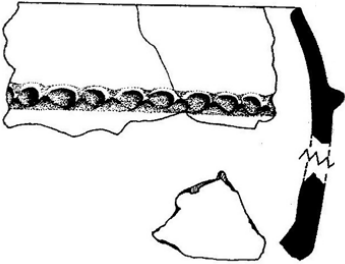

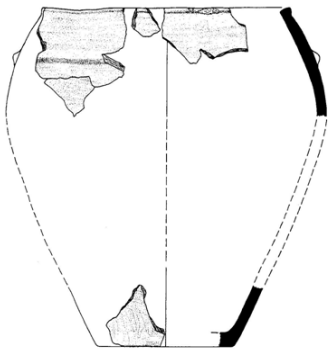

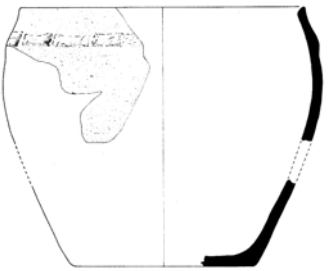
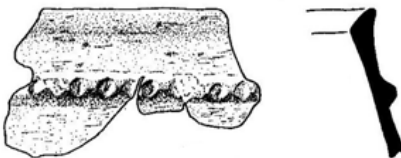
¹¹ From: Catling 2009.

Type 5C: Buckets with straight profile	
T5C Category 1: Bucket with straight profile	
 <p>Tiryns (118)</p>	 <p>(only illustration available)</p> <p>Lefkandi (pl. 49.4)</p>
<p>"Steiler, kaum bauchiger Gefässkörper mit abgesetztem Rand"</p> <p>D (rim) 22.8 cm</p> <p>LH IIIB Final</p>	<p>"Bucket"</p> <p>Fragmentary</p> <p>Phase 1b</p>
T5C Category 2: Bucket with straight profile and horn/knobs handles	
 <p>Dimini (11b)</p>	 <p>Menelaion¹² (A 265)</p>
<p>Not mentioned</p> <p>LH IIIC Early</p>	<p>"Jar"</p> <p>Not mentioned</p> <p>LH IIIB2-IIIC Early</p>
 <p>Tiryns (119)</p>	
<p>"Steiler, kaum bauchiger Gefässkörper mit abgesetztem Rand"</p> <p>D (rim) 20.5 cm</p> <p>Not mentioned</p>	

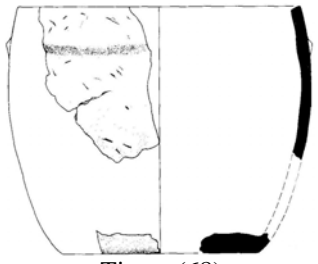


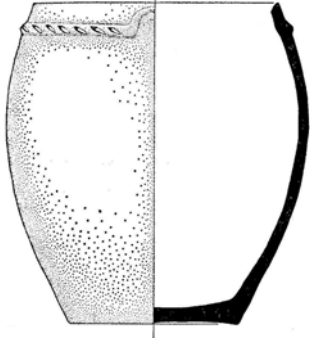
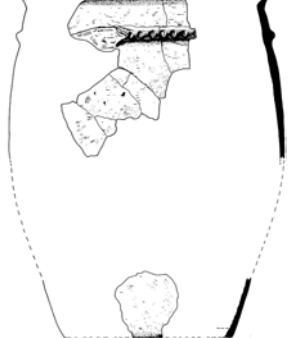

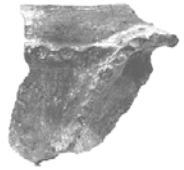
¹² From: Catling 2009.

T5C Category 3: Bucket with straight profile and horizontal handles (?)	
 <p>Khania (73-P 1094)</p>	
<p>"Olla with horizontal handles" D (rim) 27.6 cm LM IIIB2</p>	
T5C Category 4: Medium bucket with straight profile	
 <p>Aigeira (1985:1)</p>	 <p>Menelaion (25)</p>
<p>D (rim) 17 cm, H 14 cm LH IIIC phase I</p>	<p>"Bowl" D (rim) 20 cm LH IIIB2</p>
 <p>Menelaion (24)</p>	 <p>Aigeira (1977:10)</p>
<p>"Bowl" Not mentioned LH IIIB2</p>	<p>"Small jar" D (base) 14.5 cm LH IIIC phase I</p>


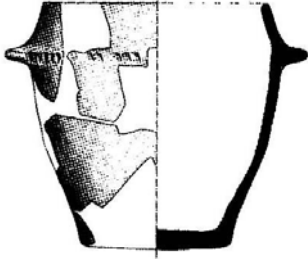


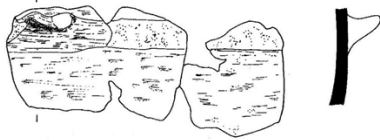
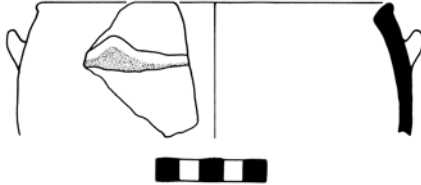
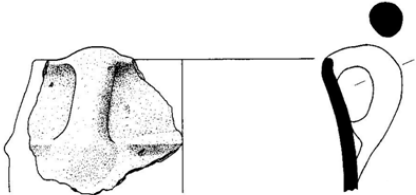
 <p>Thebes (250)</p>	 <p>Mycenae</p>
<p>"Jar" Fragmentary LH IIIC Early</p>	<p>G32'69/033 HBW1 D (rim) 14 cm LH IIIB2</p>
<p>T5C Category 5: Bucket with straight profile and T-shaped rim</p>	
 <p>Tiryns (271)</p>	
<p>"Weitmundiger Topf mit Binnenleiste" D (rim): 22 cm Not mentioned</p>	

Type 6A: Wide-mouthed deep ovoid jars	
T6A Category 1: Wide-mouthed jars	
 <p>Thebes (383)</p>	 <p>Aigeira (2003a: 7.1)</p>
<p>“Jar” D (rim) 17 cm LH IIIC Middle?</p>	<p>"Large container with incurving rim" D (rim) 32 cm "Pre-Mycenaean level"</p>
 <p>Tiryns (26)</p>	 <p>Korakou (9)</p>
<p>"Hochbauchiges Gefäß mit stark einziehendem Rand" D (rim) 21.6 cm, H 29.7 cm LH IIIC Early</p>	<p>"Jar with lug handle" D (rim) 35 cm LH IIIC Early</p>
 <p>Lefkandi (69/P73)</p>	 <p>Menelaion¹³ (PE 260)</p>
<p>“Large open jar” D(rim) 34 cm, H 31 cm LH IIIC phase 1a</p>	<p>“Jar” Too fragmentary LH IIIB2-IIIC Early</p>


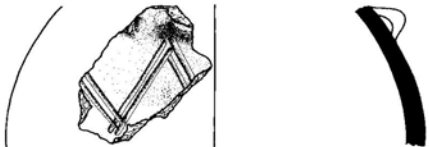
¹³ From: Catling 2009.

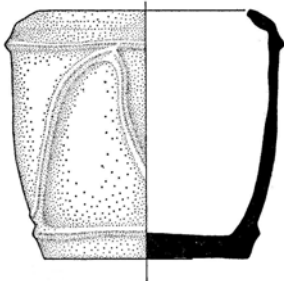

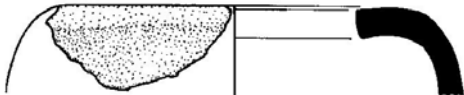
 <p>Tiryns (68)</p>	 <p>Khania (80-P 0193)</p>
<p>"Tonnenförmiges Gefäß mit leicht einziehendem Rand" D (rim) 20.7 cm, H 18 cm LH IIIC Early</p>	<p>"Olla" D (rim) 20 cm LM IIIC</p>
 <p>Mycenae</p> <p>GMBW'68/154 HBW1 D (rim) 44 cm LH IIIC Early</p>	
<p>T6A Category 2: Wide-mouthed jars with horseshoe handles</p>	
 <p>Korakou (2)</p>	 <p>Menelaion (1)</p>
<p>"Jar with horseshoe lug handle" D (rim) 25 cm, H 31 cm LH IIIC Early</p>	<p>"Lug-handled jar" D(rim) 26.5, H 37 cm LH IIIB2</p>
 <p>Tiryns (104)</p>	 <p>Midea¹⁴</p>
<p>"Steil tonnenförmiges Gefäß, weite einziehende Mündung" D (rim) 22.5 cm LH IIIC</p>	<p>"Jar" Fragmentary LH IIIB2?</p>

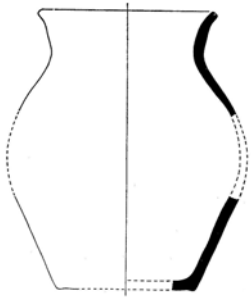
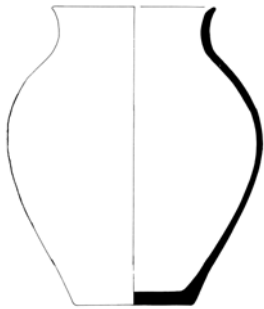
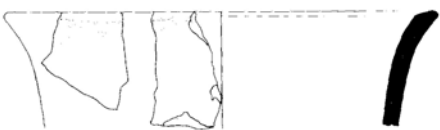


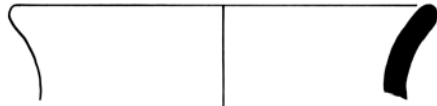
¹⁴ All Midea HBW photographs from: Demakopoulou et al. 2003.

T6A Category 3: Wide-mouthed jars with lug/horn handles	
	
Korakou (16)	Dimini (11c)
"Deep bowl" D (rim) 22 cm LH IIIC Early?	D (rim) 21 cm, H 22 cm LH IIIC Early
	
Tiryns (65)	Thebes (246)
"Tonnenförmiges Gefäss mit leicht einziehendem Rand" D (rim) 24 cm LH IIIB Final - LH IIIC Early	"Jar" D (rim) 23 cm LH IIIC Early
	
Menelaion ¹⁵ (AO 50A)	Mycenae
"Jar" Too fragmentary LH IIIB2-IIIC Early	GMB'68/101 HBW1 D (rim) 16 cm LH IIIC Early
T6A Category 4: Wide-mouthed jars with vertical handles	
	
Tiryns (179)	
"Tonnenförmiges Gefäss mit Vertikalhenkel" D (rim) : 16.5 cm Not mentioned	



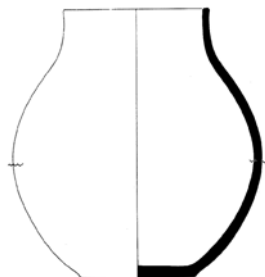
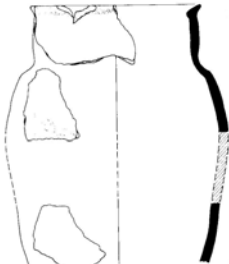

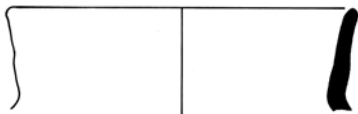
¹⁵ From: Catling 2009.




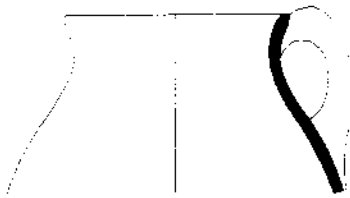

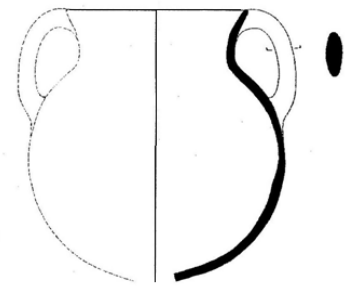
Type 6A Category 5: Wide-mouthed globular jars	
 <p>Menelaion (3)</p>	 <p>Tiryns (127)</p>
<p>“Lug-handled jar” Fragmentary LH IIIB2</p>	<p>"Gefasskorper abgesetztem Rand" D (mid-body) 18.5 cm LH IIIC Early/Advanced</p>

Type 6B: Hole-mouthed jars	
 <p>Korakou (1)</p>	 <p>Tiryns (276)</p>
<p>“Hole-mouthed jar” D (rim) 13 cm, H 15 cm LH IIIC Early</p>	<p>“Gefäss mit extrem einziehendem Rand” D (rim) 14 cm, D (at shoulder) 18.5 cm LH IIIC Developed/Advanced</p>
 <p>Tiryns (277)</p>	
<p>“Gefäss mit extrem einziehendem Rand” D (rim) 9 cm, D (at shoulder) 13.5 cm LH IIIC Developed/Advanced</p>	

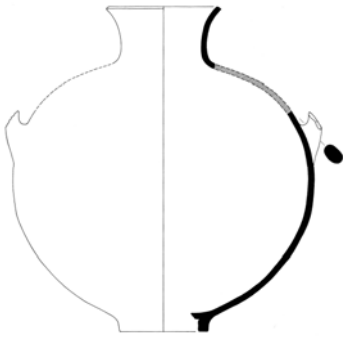
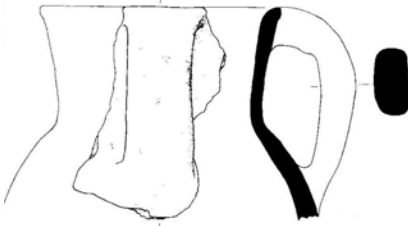
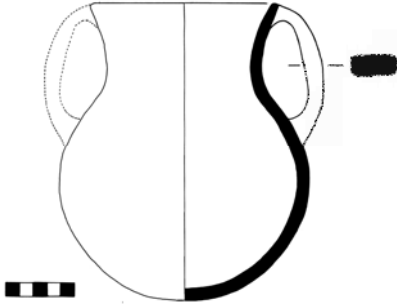

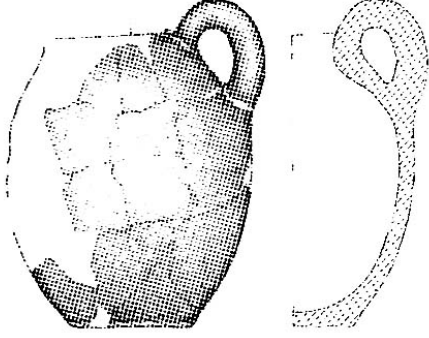
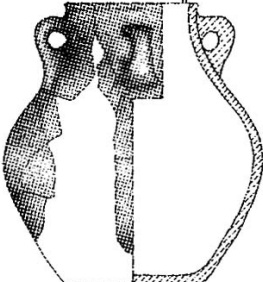
Type 7A: Collared jars without handles (?)	
T7A Category 1: Basic flaring collared jar	
 <p>Athens, Agora¹⁶</p>	 <p>Khania (Hallager 1983b: fig. 1)</p>
<p>"Burnished jar" D (rim) 18.5 cm, H 25.5 cm LH IIIB Late/ LH IIIC</p>	<p>D (rim) 17 cm, H 30 cm LM IIIB Early</p>
 <p>Tiryns (217)</p>	 <p>Aigeira (2003a: 9.1)</p>
<p>"Geschlossene gefässe" Diam: 23.5 cm LH IIIC Late</p>	<p>"Two-handed closed jar" D (rim) 13 cm LH IIIC phase I b</p>
 <p>Menelaion (27)</p>	 <p>Mycenae</p>
<p>"Bowl" D (rim) 13 cm LH IIIB2</p>	<p>GMBW'68/252 HBW1 D (rim) 16 cm LH IIIB2</p>

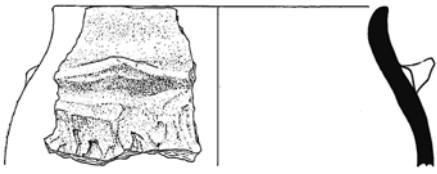

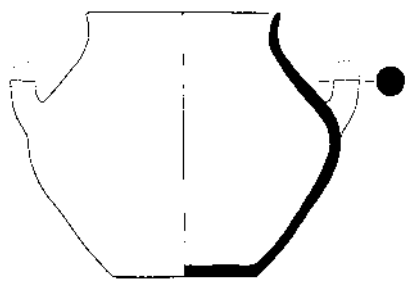
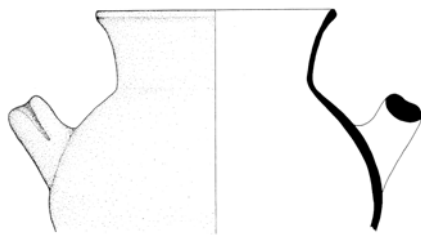
¹⁶ From: Rutter 1975.

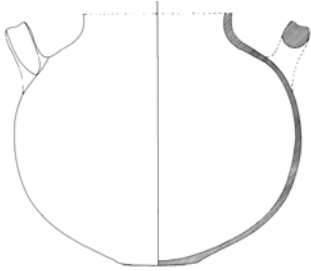


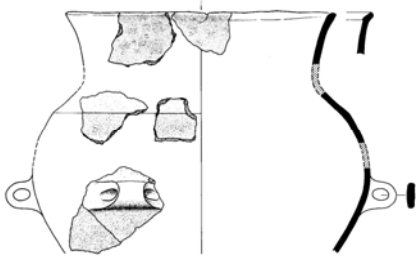
T7A Category 2: Globular jar with straight neck	
	
Tiryns (166)	Khania (80-P 0811)
"Bauchiger Behälter" D (rim) 30 cm Submycenaean	"Olla with short neck" D (rim) 20 cm LM IIIB2
	
Lefkandi (69/P92)	
"Collar-necked jar" Not mentioned LH IIIC phase 2a-b	
T7A Category 3: Collared jar with long neck and pronounced shoulder	
	
Tiryns (183)	Korakou (5)
"zylinderhalsgefäß mit abgesetzter schulter" D (rim) 17.5 cm LH IIIC Advanced	"Large closed vase" Fragmentary LH IIIC Early
	
Mycenae G32'69/105 HBW1 D (rim) 16 cm LH IIIB2	


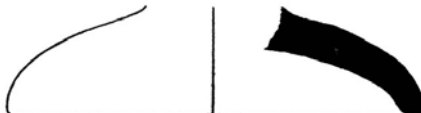






Type 7B: Collared jars with vertical handle(s) from rim to shoulder	
 <p>Tiryns (200)</p>	 <p>Menelaion¹⁷ (AO 52)</p>
<p>"Kochtopf" D (rim) 13.5 cm LH IIIC Late</p>	<p>"Jar" Too fragmentary LH IIIB2-IIIC Early</p>
 <p>Aigeira (2003a: 3.1)</p>	 <p>Tiryns (209)</p>
<p>"Jug" Not mentioned LH IIIC phase I</p>	<p>"Krug" D (rim) 12 cm LH IIIC Late</p>
 <p>Lefkandi (69/P17)</p>	 <p>Thebes (343)</p>
<p>"Jar" Fragmentary LH IIIC phase 3</p>	<p>"wide-mouthed jug" D (rim) 17 cm LH IIIC Early</p>

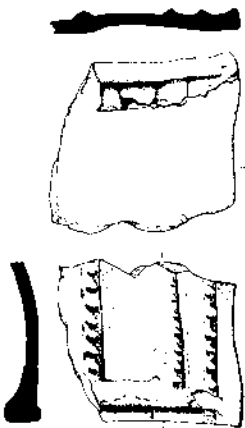
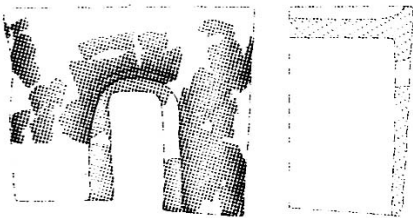


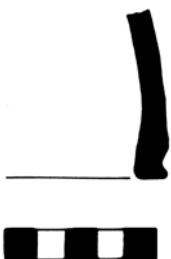
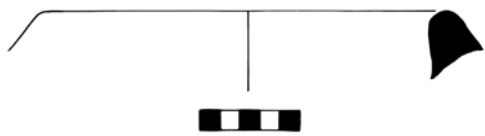
¹⁷ From: Catling 2009.

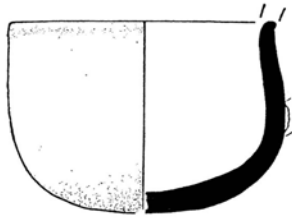
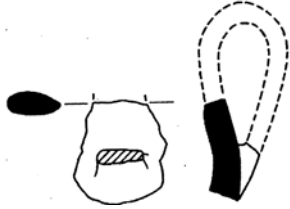
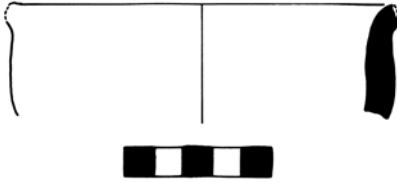
 <p>Tiryns (198)</p>	 <p>Tiryns (207)</p>
<p>"Amphora" D (rim) 10 cm, H 29 cm LH IIIC Late</p>	<p>"Krug" D (rim) 12.6 cm Not mentioned</p>
 <p>Mycenae</p>	 <p>Mycenae</p>
<p>60-461 D (rim) 13 cm LH IIIB2</p>	<p>66-480 D (rim) 10 cm LH IIIC Early</p>
 <p>Dimini (11k)</p>	 <p>Dimini (11i)</p>
<p>D (rim) 11 cm, H 19 cm LH IIIC Early</p>	<p>D (rim) 11 cm, H 22 cm LH IIIC Early</p>

Type 7C: Collared jars with other types of handles	
T7C Category 1: Collared jars with lug handle(s)	
	
<p>Tiryns (176)</p>	<p>Thebes (341)</p>
<p>"Bauchiger Behälter" D (rim) 17 cm LH IIIC Early</p>	<p>"Jar" D (rim) 19 cm LH IIIC Early</p>
T7C Category 2: Collared jars with two horizontal handles on shoulder	
	
<p>Tiryns (187)</p>	<p>Aigeira (2003a: 8.6)</p>
<p>"Amphora" D (rim) 12.5 cm, H 16 cm LH IIIB Developed</p>	<p>D (rim) 14-15 cm LH IIIC phase II</p>

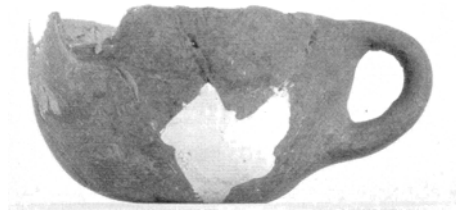
 <p>Aigeira (1977: 9)</p>	
<p>D (rim) 26 cm ?</p>	
<p>T7C Category 3: Hydria</p>	
 <p>Tiryns (186)</p>	
<p>"Hydria" D (rim): 9 cm, H 24 cm LH IIIC Early</p>	
<p>T7C Category 4: Round collared jar with vertical handles on body</p>	
 <p>Tiryns (185)</p>	 <p>Tiryns (184)</p>
<p>"Behälter mit abgesetzter schulter und vertikalem wulsthenkel" D (mid-body) 13 cm LH IIIC Late</p>	<p>"Bauchiges gefäss mit trompetenhals, tunnelhenkel" D (rim) 35.5 cm LH IIIB Final</p>

Type 8: Utensils	
T8 Category 1: Lid	
 <p>Tiryns (251)</p>	 <p>Tiryns (235)</p>
<p>"Deckel" Length 22.5 cm LH IIIC Early/Developed</p>	<p>"Deckel" Length 12 cm LH IIIC Early</p>
 <p>Tiryns (228)</p>	 <p>Tiryns (232)</p>
<p>"Deckel" Length 15.5 cm LH IIIC Early</p>	<p>"Deckel" Fragmentary LH IIIC Advanced</p>
 <p>Tiryns (230)</p>	 <p>Tiryns (227)</p>
<p>"Deckel" Fragmentary LH IIIB Developed</p>	<p>"Deckel" Length 12.5 cm LH IIIC Early</p>
 <p>Mycenae</p>	 <p>Mycenae</p>
<p>G32'69/103 HBW1 D (rim) 20 cm LH IIIB2</p>	<p>G32'69/107 HBW1 D (rim) 14 cm LH IIIB2</p>

T8 Category 2: Stands	
 <p>Menelaion (34)</p>	 <p>Dimini (13h)</p>
<p>"Part of model of stand ?" Fragmentary LH IIIB2</p>	<p>Length 19 cm, H 17 cm LH IIIC Early</p>
 <p>Tiryns (260)</p>	 <p>Tiryns (266)</p>
<p>"Ständerfuss" Length 30 cm LH IIIC Advanced</p>	<p>" Ständerherd " Length 23.5 cm LH IIIB Final</p>
 <p>Mycenae</p>	 <p>Mycenae</p>
<p>GMBW'68/051 HBW1 Fragmentary LH IIIC Advanced/Developed?</p>	<p>GMBW'68/133 HBW2 D (rim) 20 cm LH IIIC Early</p>

T8 Category 3: Dipper/ladle?	
 <p>Tiryns (312)</p>	 <p>Mitrou (fig. 18.3.15)</p>
<p>"Henkeltasse mit bauchigem korper" D (rim) 11.5 cm LH IIIC Late</p>	<p>"cup with high-swung handle" Fragmentary LH IIIC Early?</p>
 <p>Mycenae</p>	
<p>G32'69/165 HBW1 D (rim) 13 cm LH IIIB2</p>	

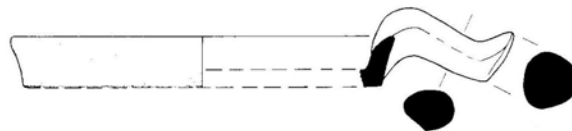
T8 Category 4: Spouted convex-sided cup with vertical handle



Aigeira (2003a: 6)

"Spouted cup"
D (rim) 9 cm
LH IIIC phase I b

T8 Category 5: Pans



Tiryns (300)

"Pfanne"
Length 18 cm
LH IIIC Advanced

T8 Category 6: Spoons (?)

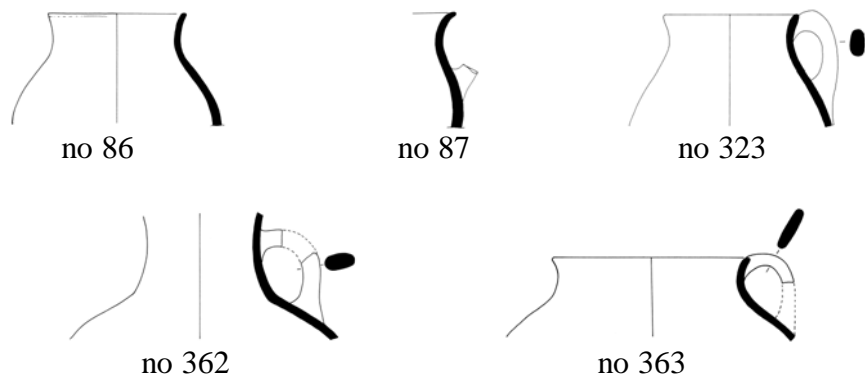


Aigeira (2003a: 10)

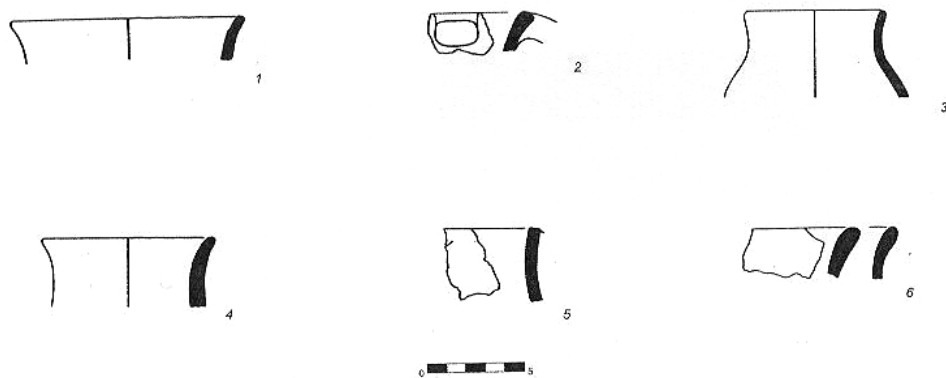
"Spoon-handle (?) with bird head"
Fragment length 10.5 cm
?

Figure 2.2: EIA-related handmade pottery

Asine (From Frizell 1986)



Kalapodi (From Lis 2009: fig. 18.3)



Mitrou (From: Lis 2009: fig. 18.3)

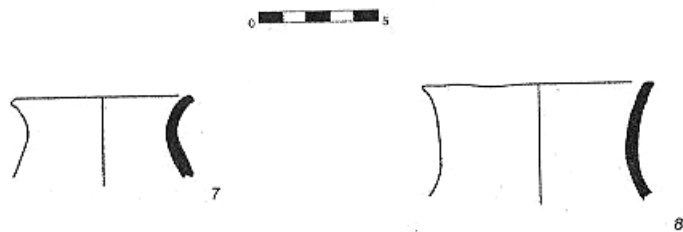



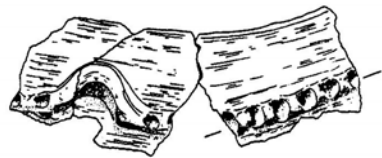

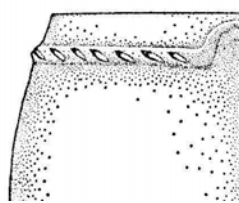

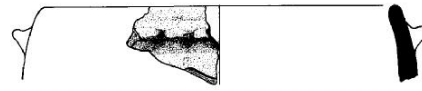
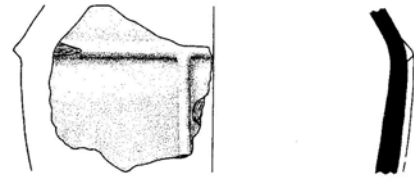
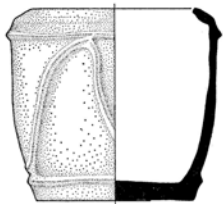
Figure 2.3a: HBW decorations: applied cordon	
Straight horizontal cordon	
Plain	Finger impressions
 <p>Menelaion (25)</p>	 <p>Tiryns (39)</p>
Dots	Oblique slashes
 <p>Tiryns (67)</p>	 <p>Korakou (2)</p>
Rope-like	Piecrust
 <p>Tiryns (98)</p>	 <p>Tiryns (55a)</p>
Vertical and horizontal cordons	Wavy cordon on body
 <p>Tiryns (278)</p>	 <p>Korakou (1)</p>

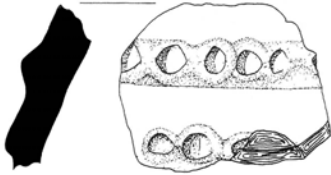
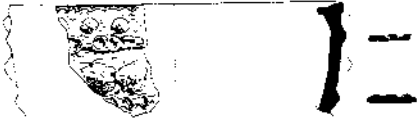
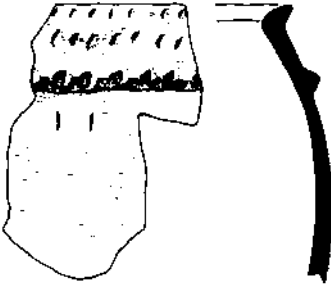
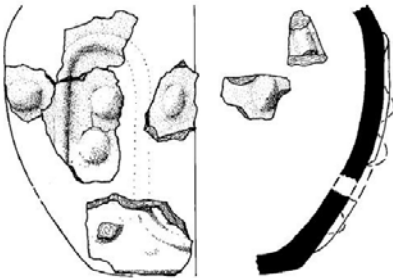
Figure 2.3b: HBW decorations: features combinations	
Multiple straight horizontal cordons	Incised rim, knobs and applied cordons
 <p>Aigeira (2003: fig. 7.3)</p>	 <p>Tiryns (271)</p>
Oblique slashes and applied cordon	Plain wavy cordon and knobs
 <p>Menelaion (6)</p>	 <p>Tiryns (291)</p>

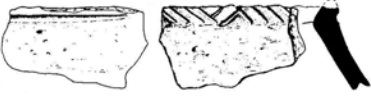
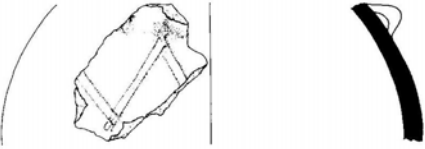

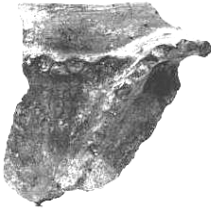
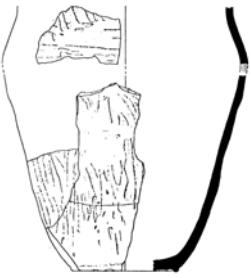
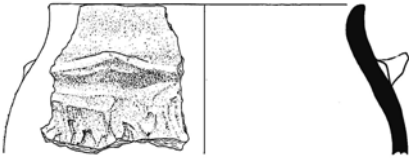

Figure 2.3c: HBW decorations: incised lines	
On the rim	On the body
 <p>Menelaion (33)</p>	 <p>Tiryns (127)</p>
Figure 2.3d: HBW decorations: finger-impressions	
On the rim	On the handle
 <p>Aigeira (2003a: fig. 7.6)</p>	 <p>Midea</p>
Figure 2.3e: HBW barbotine decoration	
 <p>Tiryns (180)</p>	 <p>Tiryns (176)</p>
Figure 2.3f: Exceptional HBW decoration: paint	
 <p>Korakou (4)</p>	


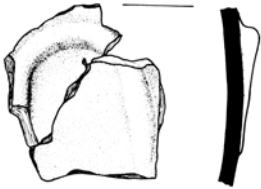
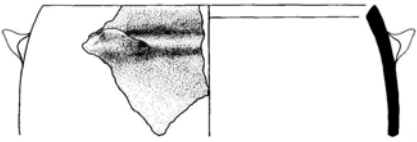
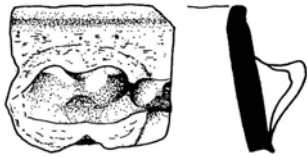
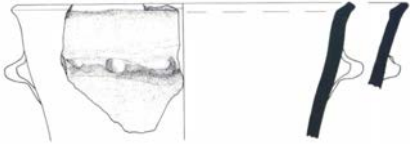

Figure 2.4: HBW lug variations	
Horseshoe handle	Horseshoe decoration?
 <p>Tiryns (104)</p>	 <p>Tiryns (144)</p>
Single horn	Double horn
 <p>Tiryns (65)</p>	 <p>Menelaion (11)</p>
Short knob	Square knob
 <p>Tiryns (5)</p>	 <p>Tiryns (34)</p>

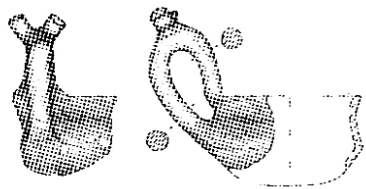


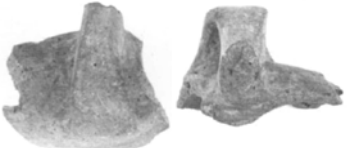
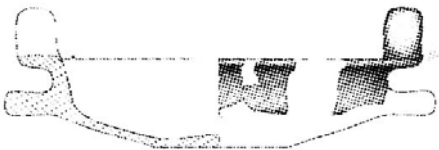
Figure 2.5: HBW carinated vessels with handle decorations	
Horn decoration	Axe-shape decoration
 <p>Dimini (13d)</p>	 <p>Tiryns (311)</p>
D (rim) 11 cm LH IIIC Early	"Tasse - knickwandschale" Fragmentary LH IIIC Early
Animal protome? decoration	
 <p>Khania (80-P 0062)</p>	 <p>Lefkandi (pl. 49.2)</p>
"Handle of ciotola carenata" Fragmentary LM IIIC	"Cup with handle, possible animal protome" Fragmentary LH IIIC phase 1a
Rectangular protuberance on rim	
 <p>Dimini (13c)</p>	
D (rim) 32 cm LH IIIC Early	

Figure 2.6: Table of shape types quantitative distribution in Aegean sites

Sites	Tiryns	Korakou	Menelaion	Lefkandi	Aigeira	Thebes	Dimini	Khania	Mycenae
Carinated vessels: T1	11	2	1?	2	2	0	4	4 (+12?)	6?¹⁸
T1 C1	5	1		2	1		2	1	4
T1 C2	2							1	
T1 C3	3				1		1		
T1 C4	1	1	1?					1	1?
T1 C5								1	
Cups: T2	3	0	2	2	1	1	0	0	3?
T2 C1	1		2	2	1	1			
T2 C2	2								
Bowls: T3	32	1	7	0	2	1	2	3	8?
T3 C1	10		6		2		1	3	5
T3 C2	1	1							
T3 C3	20		1			1	1		1
T3 C4	1								1
Basins: T4	6	1	0	1	1	0	1	0	1
T4 C1	5				1				1
T4 C2	1	1		1					
T4 C3							1		
Buckets: T5	40	2	5	2	5	4	3	10	7
T5A	19	1			3	3	2	7	1
T5A C1	13				2	3?		3	1
T5A C2	6	1					2	4	
T5A C3					1				
T5B	6		1					2	1?
T5C	15	1	4	2	2	1	1	1	5
T5C C1	5			2					
T5C C2	1	1	1				1		
T5C C3								1	
T5C C4	8		3		2	1			5
T5C C5	1								

¹⁸ The total quantity for each type includes specimens which couldn't be classified into categories, in general, due to their small size.

Sites	Tiryns	Korakou	Menelaion	Lefkandi	Aigeira	Thebes	Dimini	Khania	Mycenae
Wide-mouthed jars: T6	130	8	16	1	5	2	4	2	10
T6A	105	7	16	1	5	2	4	2	10
T6A C1	26	1	11	1	5	1		2	4
T6A C2	1	3	1						
T6A C3	60	3	4			1	4		4
T6A C4	2								
T6A C5	16								
T6B	25	1							
Collared jars: T7	51	2	5	2	7	2	2	3	26
T7A	21	2	4	1	3			3	9
T7A C1	5	1	4		3			1	8
T7A C2	12			1				2	
T7A C3	4	1							1
T7B	16		1?	1	2	1	2		10
T7C	14				2	1			
T7C C1	4	1				1			
T7C C2	6				2				
T7C C3	1								
T7C C4	2								
Utensils: T8	20	0	1	0	2	0	2	0	13?
T8 C1	9								6?
T8 C2	9		1				2?		4?
T8 C3	1								1?
T8 C4					1				
T8 C5	1								
T8 C6					1				
Total	293	16	37	10	25	10	18	34	74
Unidentified shapes	192	1	14	0	?	0	0	95	?

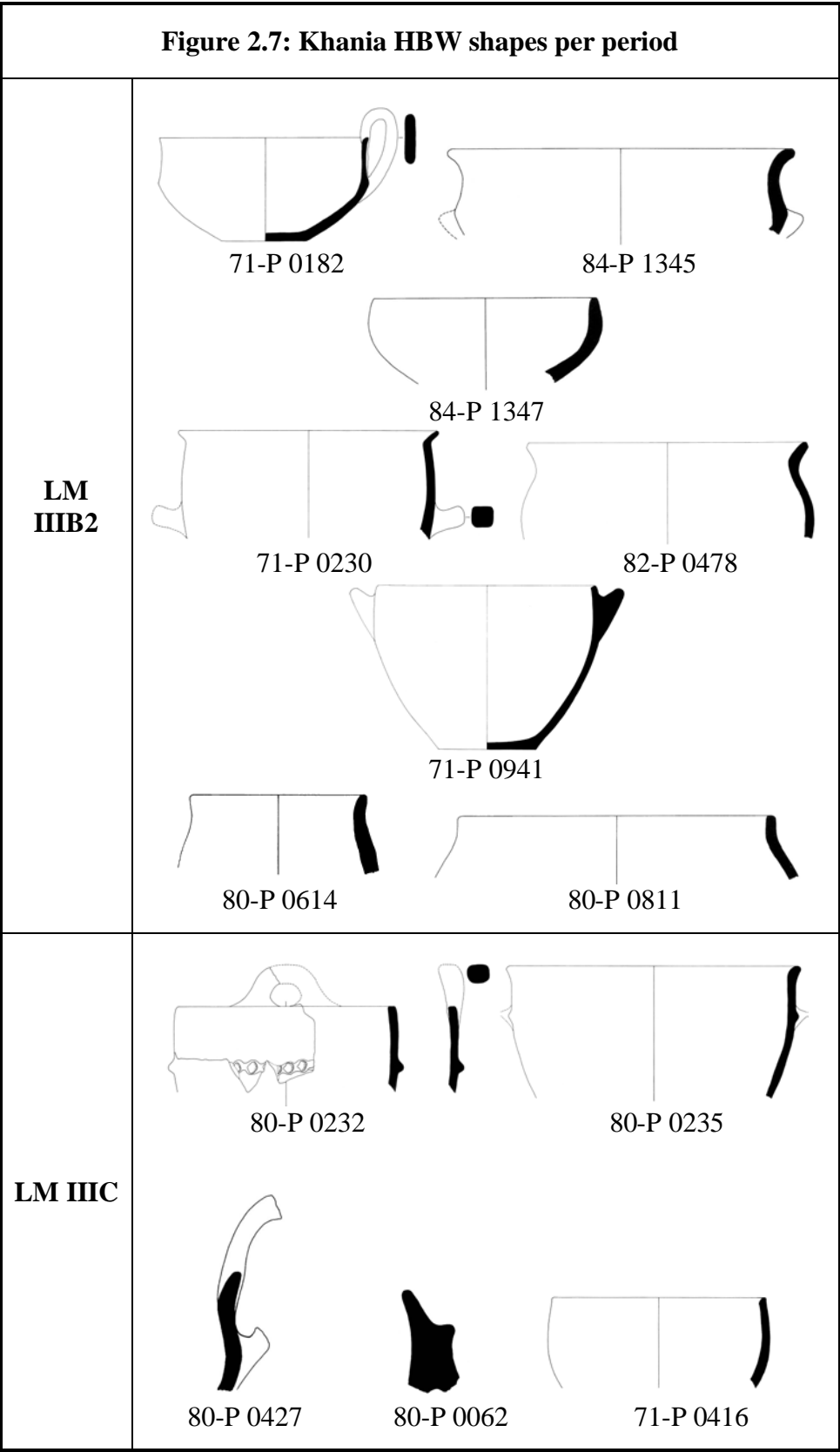
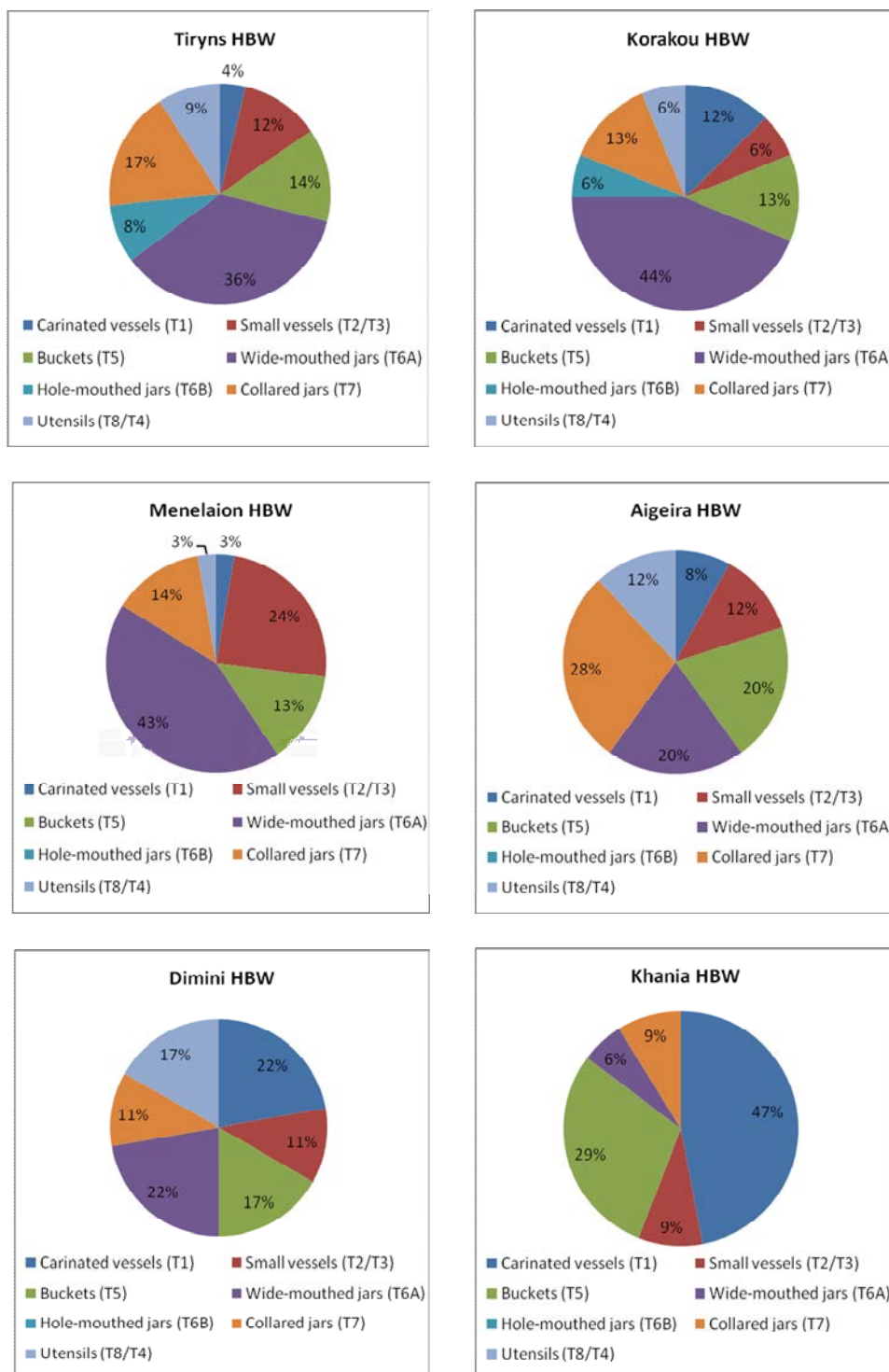

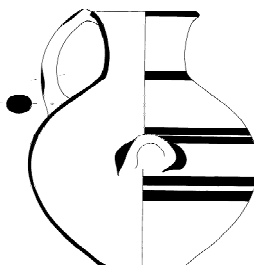
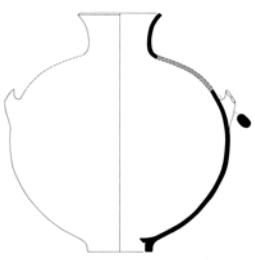
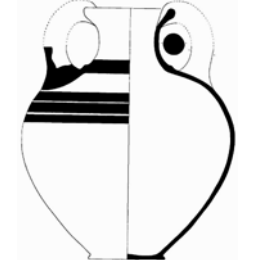
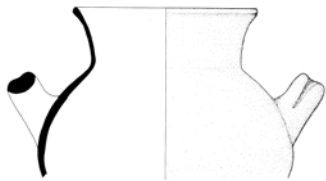



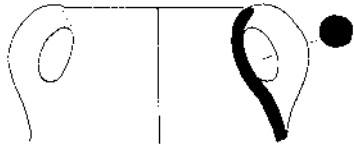

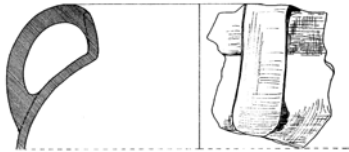


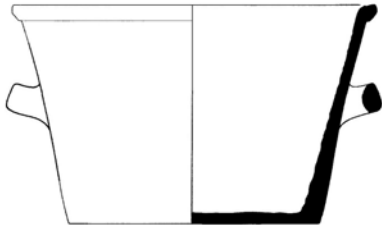
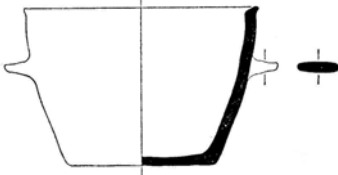
Figure 2.8: Charts of proportion of shape types per site

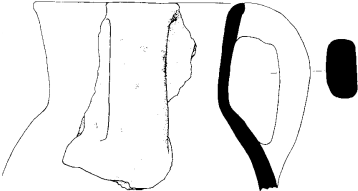

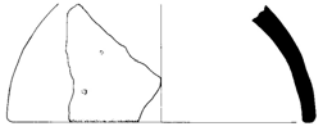



(Based on the count mentioned in [Figure 2.6]).

Figure 2.9: HBW influenced by Mycenaean ware?	
HBW	Mycenaean ware
Type 7C C3	Hydriae FS 128
	
Tiryns (186)	Mycenae (WBM 10: 68-1429)
"Hydria" D (rim) 9 cm, H 24 cm LH IIIC Early	"Hydria" D (rim) 11.8 cm, H 31 cm LH IIIB2 (phase VIII)
Type 7B	Amphorae FS 69
	
Tiryns (198)	Mycenae (Mountjoy 1986: fig. 117.1)
"Amphora" D (rim) 10 cm, H 29 cm LH IIIC Late	"Amphora" D (rim) 12.6 cm, H 35 cm LH IIIB1
Type 7C C2	Amphoriskoi FS 59
	
Aigeira (2003a: 8.6)	Lefkandi ¹⁹ (fig. 2.31: 6)
Not mentioned D (rim) 14-15 cm LH IIIC phase II	"Amphoriskos" D (rim) 7.8 cm, H 11.7 cm LH IIIC Phase 2a

¹⁹ All Lefkandi Mycenaean pottery drawings from: Evelyn et al. 2006.

Type 7B	Cooking pots FS 65, FS 66
 <p>Tiryns (200)</p>	 <p>Lefkandi (fig. 2.34: 4)</p>
<p>"Kochtopf" D (rim) 13.5 cm LH IIIC Late</p>	<p>"Jug or two-handed cooking pot" D (rim) 13.5 cm, H 30 cm LH IIIC Phase 2b</p>
 <p>Aigeira (1977: 13)</p>	 <p>Lefkandi (fig. 2.33: 3)</p>
<p>Diam: 18 cm ?</p>	<p>"Jug or one-handed cooking pot" D (rim) 11.7 cm, H 16.2 cm LH IIIC Phase 1b</p>
Type 5A C2	Tubs
 <p>Tiryns (259a)</p>	 <p>Lefkandi (fig. 2.36: 4)</p>
<p>"Wanne" Fragmentary LH IIIC Early</p>	
 <p>Korakou (3)</p>	
<p>"Deep bowl" D (rim) 26 cm, H 18 cm LH IIIB Advanced or IIIC Early</p>	<p>"Tub" D (rim) 49.2 cm, H 31.2 cm LH IIIC Phase 1b</p>

Type 7B	Jugs FS 110
 <p>Tiryns (207)</p>	 <p>Mycenae (Wardle 1969: fig. 3.11)</p>
<p>"Krug"</p> <p>D (rim) 12.6 cm</p> <p>Not mentioned</p>	<p>"Globular jug"</p> <p>D (rim) 18.4 cm, H 23 cm</p> <p>LH IIIB1</p>
Type 8 C1	Lids FS 334
 <p>Tiryns (239)</p>	 <p>Perati (Mountjoy 1986: fig. 199.1)</p>
<p>"Deckel"</p> <p>Length 19.8 cm</p> <p>LH IIIC Developed/Advanced</p>	<p>"Lid"</p> <p>Length 8.8 cm, H 3.3</p> <p>LH IIIC Early</p>

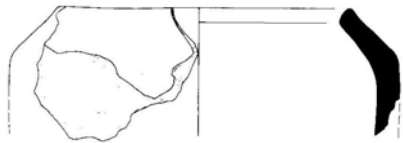
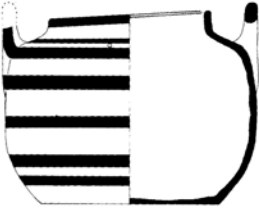

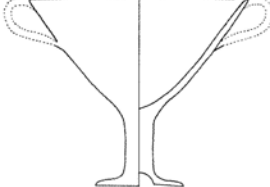
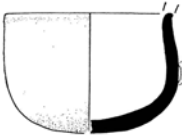
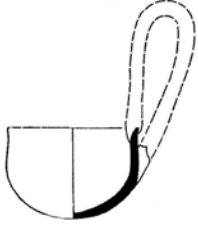
Type 6B	Alabastron FS 98
 <p>Tiryns (276)</p>	 <p>Eutresis (Mountjoy 1986: fig. 173.2)</p>
<p>"Gefäss mit extrem einziehendem Rand" D (rim) 14 cm, D (shoulder) 18.5 cm LH IIIC Developed/Advanced</p>	<p>"Alabastron" D (rim) 13.2 cm, H 15.2 cm LH IIIC Early</p>
Type 3 C3	Kylux FS 274
 <p>Tiryns (326)</p>	 <p>Mycenae (Wardle 1969: fig. 10:105)</p>
<p>"Schale" D (rim) 18 cm LH IIIB Developed</p>	<p>"Conical kylix" D (rim) 16 cm, H 13.9 cm LH IIIB1</p>
Type 8 C3	Scoops/Ladles
 <p>Tiryns (312)</p>	 <p>Lefkandi (fig. 2.32: 4)</p>
<p>"Henkeltasse mit bauchigem korper" D (rim) 11.5 cm LH IIIC Late</p>	<p>"Scoop" D (rim) 6.9 cm, H 5.1 cm LH IIIC Phase 1b</p>

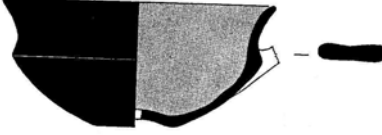
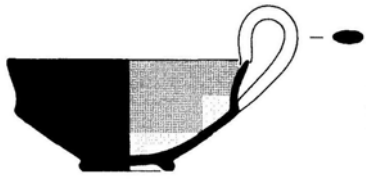

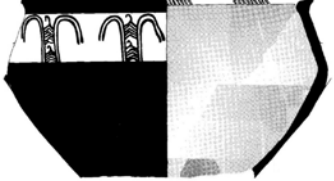
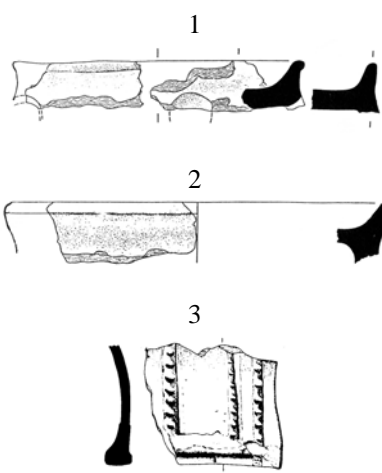
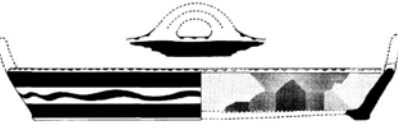
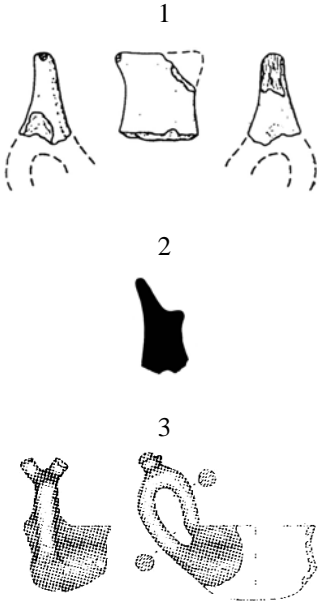

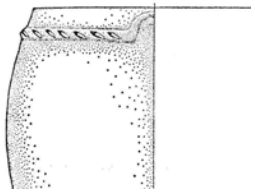
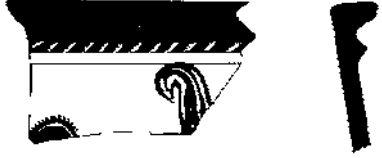

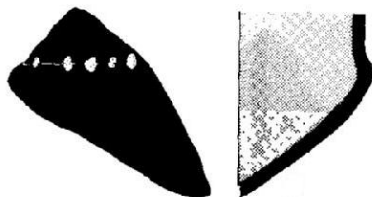
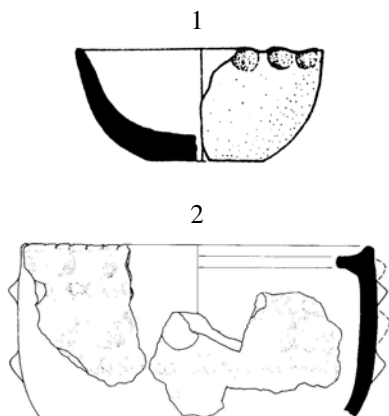
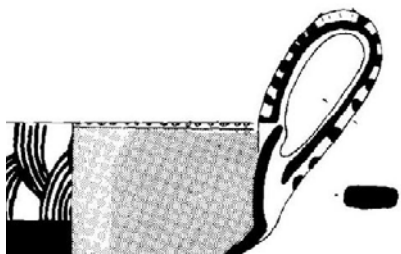
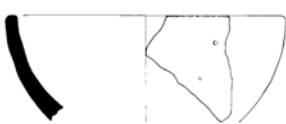
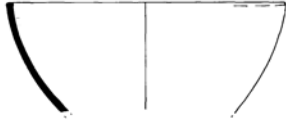

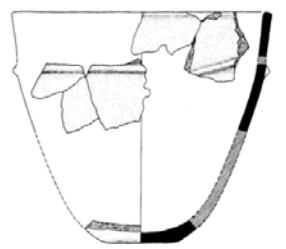
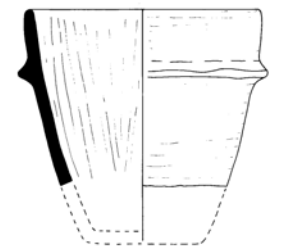
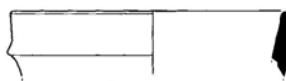


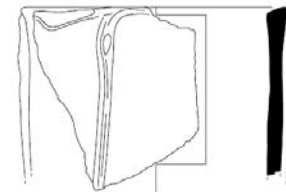
Figure 2.10: Mycenaean ware influenced by HBW shapes?	
HBW	Mycenaean ware
Carinated vessel?	
 <p>Lefkandi (8/13)</p> <p>"Carinated cup" D (rim) 16 cm, H 7.5 cm LH IIIC phase 1a</p>	 <p>Lefkandi (fig. 2.7: 3)</p> <p>"Carinated cup" D (rim) 12 cm, H 5.7 cm LH IIIC Phase 2a</p>
Angular krater?	
 <p>Menelaion (33)</p> <p>"Small pithos" D (rim) 33 cm LH IIIB2</p>	 <p>Mycenae (Mountjoy 1986: fig 224.1)</p> <p>"Carinated krater" D (rim) 26 cm LH IIIC Middle</p>
Shallow trays?	
 <p>no. 1-2: Tiryns (266, 261) no. 3: Menelaion (34)</p>	 <p>Lefkandi (fig. 2.26: 1)</p> <p>"Tray" D (rim) 33 cm LH IIIC Phase 2b/3</p>

Figure 2.11: Mycenaean ware influenced by HBW decorations?

HBW	Mycenaean ware
Bull's head finals?	
	 Lefkandi (fig. 2.16: 12)
no. 1: Tiryns (311) no. 2: Khania (80-P 0062) no. 3: Dimini (13d)	"Carinated vessel" Fragmentary LH IIIC Phase 2a
Applied plastic cordon with incisions?	
 Korakou (2, detail)	 Corinth (Rutter 1979: 6, detail)
"Jar with horseshoe lug handle" D (rim) 25 cm, H 31 cm LH IIIC Early	"Krater" ? LH IIIC Phase 4

Painted imitation of impressed decorations?	
 <p>Korakou²⁰ (7)</p>	 <p>? (MDP: fig. 220.6, detail)</p>
<p>"Kantharos" D (rim) 17 cm LH IIIC Early</p>	<p>"Carinated cup" Fragmentary LH IIIC Middle</p>
 <p>no. 1: Aigeira (2003a: 7.6) no. 2: Tiryns (271)</p>	 <p>Asine (Mountjoy 1986: fig. 220.1, detail)</p>
	<p>"Carinated cup" D (rim) 15.4 cm, H 9.2 cm LH IIIC Middle</p>

²⁰ Photograph taken by the author.

Figure 2.12: Typological comparisons between Aegean, Near Eastern and Cypriot HBW ²¹		
Aegean HBW	Cypriot HBW ²¹	Near East HBW
<p>T3 C1</p>  <p>Tiryns (239) D (rim) 20 cm</p>	 <p>Kition (fig. 18.2) D (rim) 16 cm</p>	 <p>Badre fig. 24b D (rim) 15.2 cm</p>
<p>T5A C1</p>  <p>Tiryns (17) D (rim) 29.5, H 26 cm</p>	 <p>Sinda (fig. 19.5) D (rim) 14.8 cm</p>	 <p>Badre 2003: fig. 9.3 D (rim) 14.8 cm</p>
<p>T5C C1</p>  <p>Tiryns (118) D (rim) 22.8 cm</p>	 <p>Enkomi (fig. 19.4) D (rim) 21 cm</p>	 <p>Badre 2003: fig. 7.10 D (rim) 21.3 cm</p>

²¹ All Cypriot HBW drawings from: Pilides 1994.

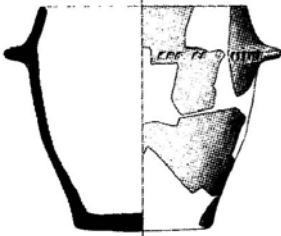
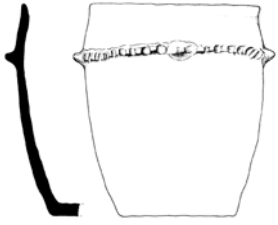

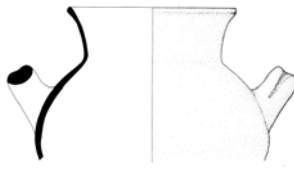
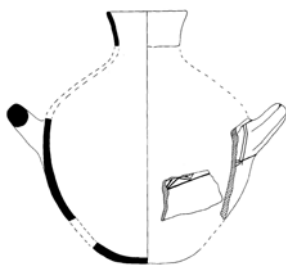
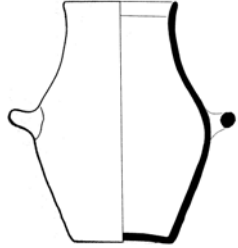
Aegean HBW	Cypriot HBW	Near East HBW
<p>T6A C3</p>  <p>Dimini (11c) D (rim) 21 cm, H 22 cm</p>	 <p>Maa-Palaeokastro (fig. 20.1) D (rim) 16 cm</p>	 <p>Badre 2003: fig. 6.2 D (rim) 36 cm</p>
<p>T7C C2</p>  <p>Aigeira (2003a: 8.6) D (rim) 14-15 cm</p>	 <p>Hala S. Tekke (fig. 20.2) D (rim) 9.6 cm</p>	 <p>Badre 2003: fig. 6.8 D (rim) 12 cm, H 25.2 cm</p>

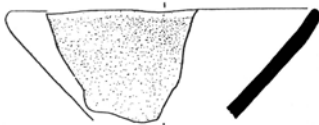
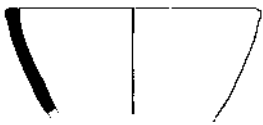
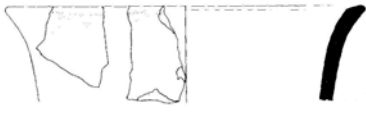
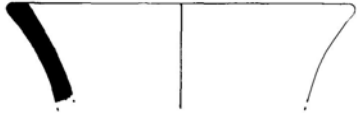







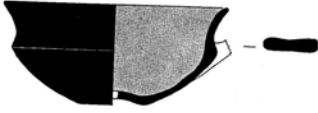



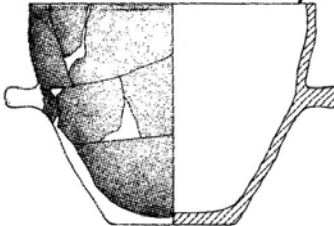
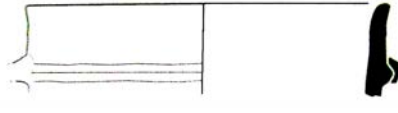
Figure 2.13: Typological similarities between Aegean and Cypriot HBW	
Aegean HBW	Cypriot HBW
<p>T3 C3</p>  <p>Tiryns (326) D (rim) 18 cm</p>	 <p>Enkomi (fig 19.3) D (rim) 18 cm</p>
<p>T7A C1</p>  <p>Tiryns (217) D (rim) 23.5 cm</p>	 <p>Kition (fig. 18.5) D (rim) 12 cm</p>
<p>T1 C3</p>  <p>Dimini (13b) Fragmentary</p>	 <p>Kition (fig. 16.7) Fragmentary</p>
<p>T7C C4</p>  <p>Tiryns (185) Fragmentary</p>	 <p>Kition (fig. 17.3) Fragmentary</p>
<p>T4 C2</p>  <p>Korakou (4) D (rim) 30 cm</p>	 <p>Kition (fig. 18.7) D (rim) 20 cm</p>
<p>T5C C5</p>  <p>Tiryns (127) Fragmentary</p>	

Figure 2.14: Typological similarities between Aegean and Near Eastern HBW	
Aegean HBW	Tell Kazel HBW
<p>T1 C1</p>  <p>Lefkandi (8/13) D (rim) 16 cm, H 7.5 cm</p>	 <p>Badre 2003: fig. 7.11 D (rim) 18.6 cm</p>
<p>T2 C1</p>  <p>Lefkandi (65/P107) D (rim) 10.5 cm, H 10.5 cm</p>	 <p>Badre 2003: fig. 9.5 D (rim) 9.6 cm</p>
<p>T5A C2</p>  <p>Dimini (11a) D (rim) 27 cm, H 22 cm</p>	 <p>Badre 2003: fig. 6.5 D (rim) 28 cm</p>

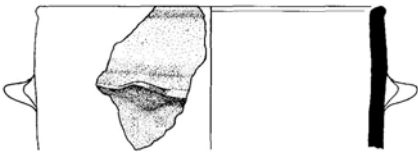

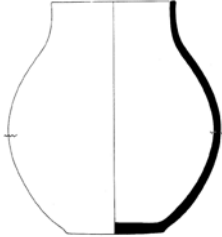


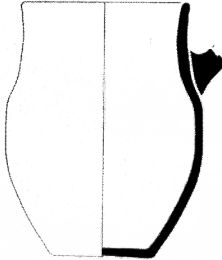
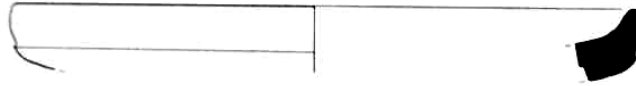
Aegean HBW	Tell Kazel HBW
<p>T5C C2</p>  <p>Tiryns (119) D (rim) 20.5 cm</p>	 <p>Badre 2003: fig. 7.8 D (rim) 9.9 cm</p>
<p>T7A C2</p>  <p>Lefkandi (69/P92) Not mentioned</p>	 <p>Badre 2003: fig. 9.7 D (rim) 4.5 cm</p>
<p>T7B</p>  <p>Tiryns (207) D (rim) 12.6 cm</p>	 <p>Badre 2003: fig. 6.7 D (rim) 8.7 cm, H 13.2 cm</p>

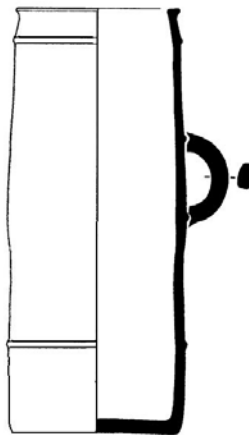
Figure 2.15: Tell Kazel HBW shapes absent from Aegean HBW repertoire

Shallow plate

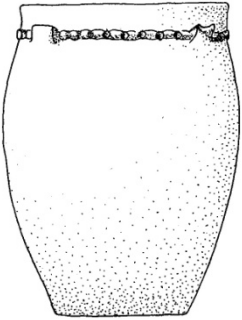
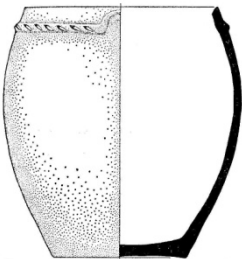

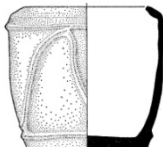




Badre 2003: fig. 6.3
D (rim) 18.6 cm, H 2.1 cm?

High cylindrical container with vertical loop handle

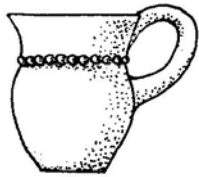



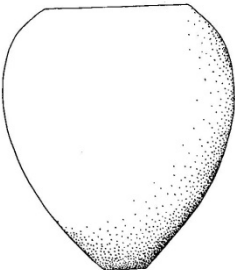
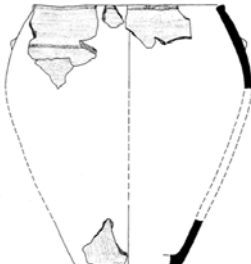


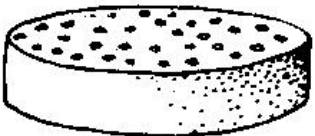


Badre 2003: fig. 6.1
D (rim) 10.8 cm, H 28.8 cm

Figure 2.16: Typological comparisons between Trojan "Barbarian ware" ²² and Aegean HBW	
A. Similarities between Trojan "Barbarian ware" and Korakou HBW Group 1	
Trojan "Barbarian ware"	Korakou HBW
 <p>C86</p>	 <p>no. 2</p>
 <p>fig. 285: 18</p>	 <p>no. 1</p>
 <p>fig. 286: 3</p>	 <p>CP 2922²³</p>

²² Troy drawings after: Blegen et al. 1958.

²³ Photograph taken by the author.

B. Other possible similar shapes	
 <p>A102</p>	 <p>Tiryns (297)</p>
 <p>C85</p>	 <p>Tiryns (200)</p>
 <p>C58</p>	 <p>Tiryns (26)</p>
 <p>D37</p>	 <p>Tiryns (300)</p>
 <p>D36</p>	<p>none</p>

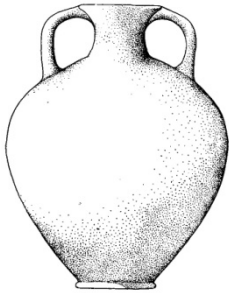
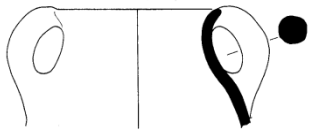

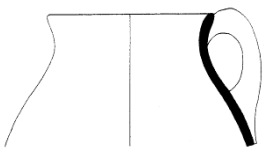

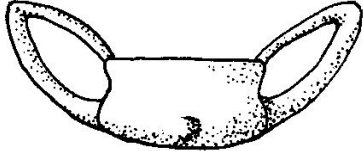
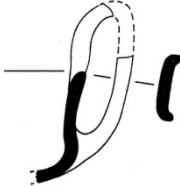
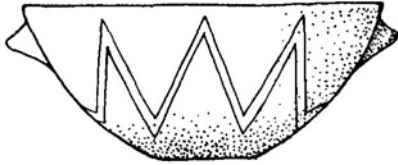

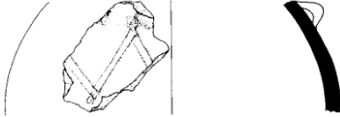
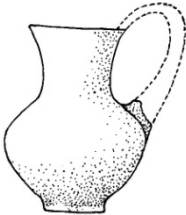
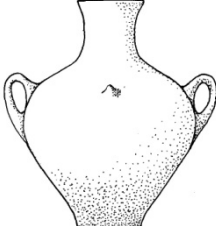

C. Similarities with Mycenaean shapes	
 <p>B42</p>	 <p>Tiryns (200)</p>
 <p>B33</p>	 <p>Tiryns (209)</p>
 <p>C39 (fig. 232: 33.1276)</p>	<p>none</p>

Figure 2.17: Typological comparisons between Trojan "Knobbed ware" ²⁴ and Aegean HBW	
A. Trojan "Knobbed ware" similarities with HBW	
Trojan "Knobbed ware" shapes	Korakou HBW Group 2
 A107	 no. 7
Trojan "Knobbed ware" shapes	Korakou HBW Group 3
 A101	 no. 4
	 Tiryns (127)
Trojan "Knobbed ware" shapes	Korakou HBW Group 4
 B45  C84	 no. 5

²⁴ Troy drawings after: Blegen et al. 1958.

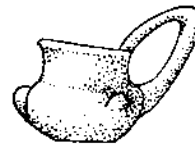
B. Other Trojan "Knobbed ware" collared shapes



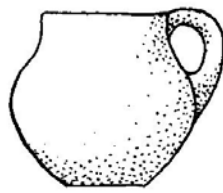
A 103



A105



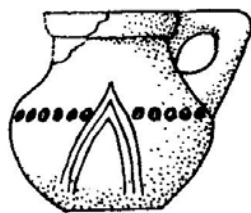
A106



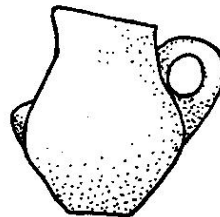
B44



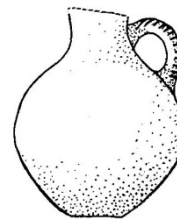
B48



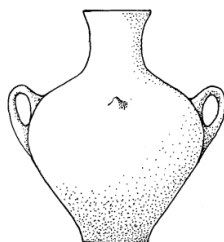
B43



B46



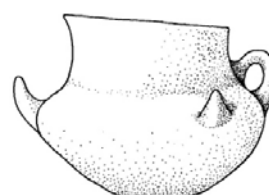
B47



C84

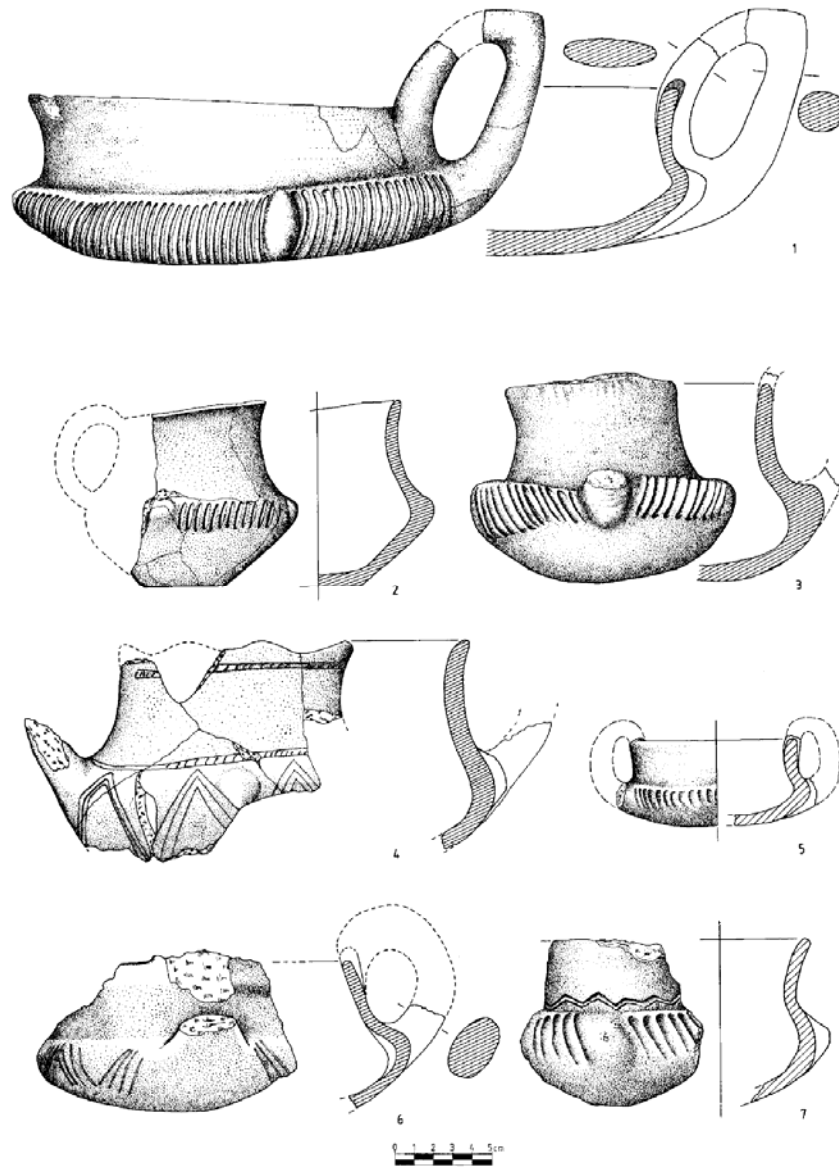


C83



A104

Figure 2.18: Other specimens of Trojan "Knobbed ware"



(After Koppenhöfer 1997: fig. 14)

Chapter 3:
Fabric and manufacturing technology

Figure 3.1: Table of HBW fabric groupings from literature review

Sites	Fabric groups	Shapes
Korakou (Rutter 1975: 23-28)	Coarse fabric (Group 1) Not very well burnished Surface colouring mostly brown, frequently mottled	Large deep open shapes
	Medium coarse fabric (Group 2) Highly burnished Very lustrous grey or black surface	Small, relatively shallow open shapes
	Very coarse fabric (Group 3) Grey fracture Thick wall	Large shapes
	Fine fabric (Group 4) Red fracture	Large closed shape
Aigeira (Deger-Jalkotzy 1977: 22-23)	Fine fabric	Carinated bowl
	Coarse fabric	Jar
Menelaion (Catling 1981)	Coarse fabric	No information
	Very coarse fabric	
Tiryns (Pilides 1994: 13-14)	Fine fabric Well-compacted	No information
	Coarse fabric Crumbly	
Khania (Pilides 1994: 28)	Fine fabric Very dark grey or black Highly burnished	Small open shapes
	Coarse fabric Brown clay Surface: yellowish brown to light brown with greyish patches Mottled surface	Large open shapes

Figure 3.2: Grid of criteria for HBW analysis

<ul style="list-style-type: none"> • Observations related to the fabric used by the potter: <p>Analysis of inclusions:</p> <ul style="list-style-type: none"> _ Description _ frequency/quantity <p>Interpretation of inclusions:</p> <ul style="list-style-type: none"> _ Attempt at identification _ Relation to properties of vessels? <p>Creation of fabric groups:</p> <ul style="list-style-type: none"> _ Based on types of inclusions or fabric coarseness? _ Compare between specimens from the same site and between different sites
<ul style="list-style-type: none"> • Observations related to the firing conditions: <p>Analysis of colours of specimens:</p> <ul style="list-style-type: none"> _ Assess the similarities/differences between surface and core _ Assess the presence of a margin <p>Presence of other features:</p> <ul style="list-style-type: none"> _ Hardness of fabric _ Texture of fracture _ Deformation of surface (mottled, cracks...) <p>Creation of firing types:</p> <ul style="list-style-type: none"> _ Based on presence/absence of core and variation in overall colour of specimens _ Compare between specimens from the same site and between different sites
<ul style="list-style-type: none"> • Observations relating to the quality of craftsmanship: <p>Quality of execution:</p> <ul style="list-style-type: none"> _ Regularity of wall/rim/base, thickness of wall, presence of distortions _ Presence and quality of extra features (handles, decorations) <p>Quality of finish:</p> <ul style="list-style-type: none"> _ Type of surface treatment _ Quality of surface treatment _ Variations within and between vessels <p>Creation of finishing quality types:</p> <ul style="list-style-type: none"> _ Assess skill, care _ Vessels purpose (functional only, aesthetic only or both)

Figure 3.4: Summary table of previous scientific studies of HBW

Sites	Research Objectives	Techniques used	Sampling types and quantities	Conclusions
Mycenae	_ Origin	Thin section NAA AAS	_ HBW: unknown for Thin section, 2 for NAA and AAS For NAA: _ HBW: 2 _ Mycenaean ware (local and regional) _ MH pottery _ Post-Mycenaean pottery _ Local clays For AAS: _ HBW: 2 _ Mycenaean ware (local)	_ Local origin and possibly from another region than Argolid _ Different clay bed than local pottery
Thebes		NAA	_ HBW: 4 _ Mycenaean ware (local and regional)	_ Local origin
Khania		Thin section AAS	_ HBW: 7 _ Minoan ware (local)	_ Local origin
Menelaion	_ Origin _ Technology	Thin section	_ HBW: 8 _ Mycenaean ware (local)	_ Local origin _ Use of grog temper _ Different techniques than local pottery
Lefkandi	_ Origin _ Comparison with Italian ware	OES	_ HBW: 6 _ Mycenaean ware _ MH pottery _ PG pottery _ Italian pottery _ Troy VII pottery	_ Local (and possible foreign?) origin
Aigeira	_ Comparison with earlier wares _ Origin _ Technology	Thin section Heavy mineral	_ HBW: 16 _ Mycenaean ware _ Neolithic pottery _ Post-Mycenaean pottery _ Local clays	_ Local (and possible foreign) origin _ Different clay bed than local pottery _ Use of grog temper _ Different techniques than local pottery
Cyprus	_ Origin	NAA	_ HBW: 25 _ Cypriot ware (local)	_ Local (and possible foreign) origin _ Different clay bed than local pottery
Tell Kazel (Syria)	_ Origin _ Technology _ Comparison with Greek HBW	Thin section NAA	_ HBW: 11 _ Local cooking ware _ Grey ware (non-Trojan) _ Local clays	_ Local origin _ Use of temper (grog, organic) _ Different clay bed than local pottery

Figure 3.5: Table of Cyprus HBW fabric groups

Cyprus fabric groupings (Pilides 1994)		
	Fabric A	Fabric B
Fabric	Coarse, crumbly and porous	Thinner and harder
Surface colour	Never uniform (varies from reddish brown to brown, grey or black), sometimes lustrous	Darker, reduced to grey and with a black-burnished lustrous surface
Core colour	usually grey or black	grey to black
Texture	Variable but often micaceous, high number of inclusions, size varies but often large pieces of stone, also visible on surface	Similar to Fabric A
Burnishing	Always, at least on the exterior surface, achieved by small horizontal movements with a blunt tool or pebble leaving slightly lustrous surface	highly burnished to lustre
Surface aspect	Sometimes pitted, large matrices of burnt out inclusions visible, network of fine fire cracks	Similar to Fabric A
Shape	Large open or closed shapes	Smaller than for Fabric A

Pilot study of Korakou HBW¹

¹ Illustrations also presented in: *CD-ROM, PDF file 3.4.*

All photographs presented in this section have been taken by the author.

Figure 3.6: Inclusions present and groups established in: Rutter 1975 for Korakou HBW

Rutter's groups	Reference number	Many white glistening flakes	Striated elongated voids	Mainly small inclusions	Dull red rounded inclusions	Very large inclusions	Many rounded white inclusions
3	CP 2920						
	CP 2775						
4	CP 2919						
1	CP 336						
	CP 130						
	CP 2922						
	CP 2923						
	CP 2928						
1	CP 337						
	CP 2929						
	CP 2930						
2	CP 2926						
	CP 2927						
	CP 2921						
1	CP 2925						
Total	15	7	4	2	9	8	2

Figure 3.7: Presence of many white rounded inclusions



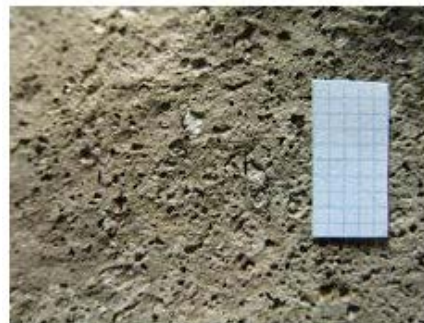
CP 2775: Exterior surface



CP 2775: Interior surface of handle



CP 2920: Fracture



Interior surface



Exterior surface

CP 2920

Group 3

Figure 3.8: Presence of dull red rounded inclusions



CP 2922: Fracture
Group 1A



CP 2929: Interior surface
Group 1B



CP 2919: Fracture
Group 4

Figure 3.9: Presence of white glistening flakes



CP 2927: Exterior surface

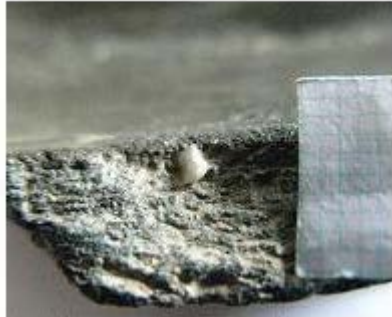


CP 2925: Interior surface

Group 2

Figure 3.10: Particular features

CP 2927



Fracture, interior surface up

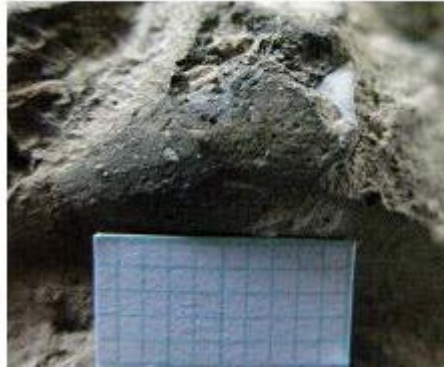


Exterior surface

CP 2923



Interior surface



Exterior surface on plastic decoration

CP 2922



Exterior surface

Figure 3.11: Firing conditions

Firing types	Core	Surfaces	Margins	Hardness	Texture of fracture	Specimens references
Type 1A1	Dark grey	Light-coloured mottled	No	Med H	Hackly	CP 2928 CP 2930 CP 337? CP 130?
Type 1A2			One side only: reddish-brown	Med H to Crumbly		CP 2922 CP 2923 CP 2929 CP 2775 CP 2920
Type 1B1		Dark-coloured	No	Med H to H		CP 336? CP 2925 CP 2926 CP 2927
Type 1B2			Red	H	Granular	CP 2921
Type 2	Red	Red homogenous	No	H	Granular	CP 2919






Figure 3.12: Firing types	
Firing type 1A1	Firing type 1A2
 <p>CP 2928 Fracture, interior side down</p>	 <p>CP 2922 Exterior surface and fracture</p>
Firing type 1B1	Firing type 1B2
 <p>CP 2925 Fracture handle</p>	 <p>CP 2921 Fracture, interior surface up</p>
Firing type 2	
 <p>CP 2919 Fracture, interior surface down</p>	

Figure 3.13: Firing consequences




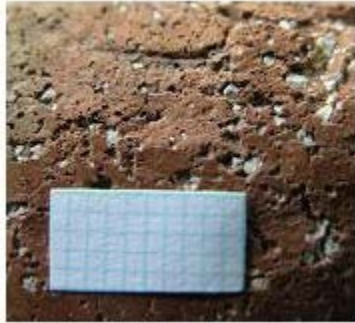

Fire clouds	Cracks
 <p>CP 2930 Exterior surface</p>	 <p>CP 2929 Interior surface of rim</p>
Spalls	Line blowing
 <p>CP 2922 Interior surface</p>	 <p>CP 2975 Exterior surface</p>
Bloating	
 <p>CP 2928 Exterior surface of rim</p>	

Figure 3.14: Interior surface finish

Figure 3.14a: Light burnishing or smoothing



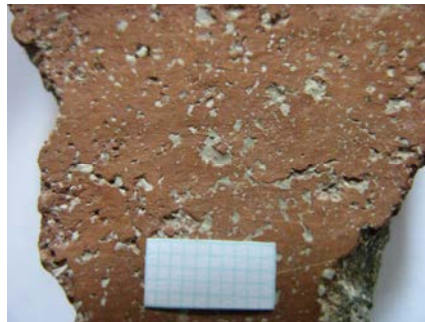
CP 2929



CP 2928



CP 2930



CP 2775



CP 2920

Figure 3.14b: Medium burnishing



CP 2922



CP 130



CP 2923

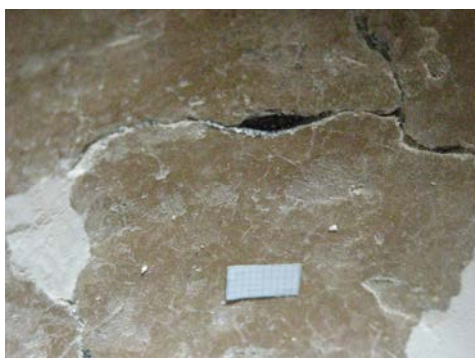


CP 336



CP 2926

Figure 3.14c: High burnishing



CP 337



CP 2921



CP 2927



CP 2925



CP 2919

Figure 3.15: Exterior surface finish

Figure 3.15a: Mainly aesthetic reasons?



CP 337: Exterior surface



CP 2775: Exterior surface

Figure 3.15b: Mainly functional reasons?



CP 2919: Exterior surface



CP 2928: Exterior surface and handle

Figure 3.15c: Both aesthetic and functional?



CP 2921: Exterior surface and handle



CP 2927: Exterior surface



CP 2925: interior surface

Figure 3.16: Traces of burnishing tool



CP 2920: Exterior surface



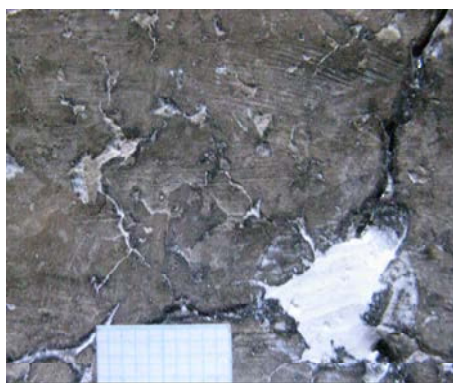
CP 2926: Exterior surface



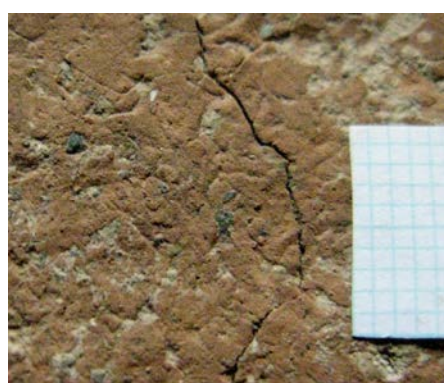
CP 2923: Interior surface



CP 2922: Exterior surface

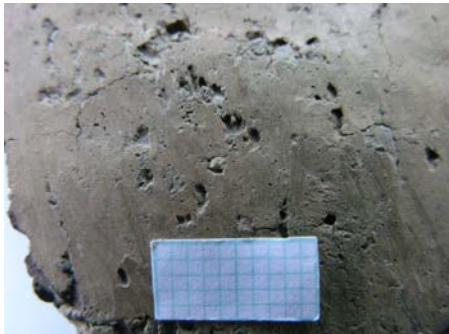


CP 336: Interior surface

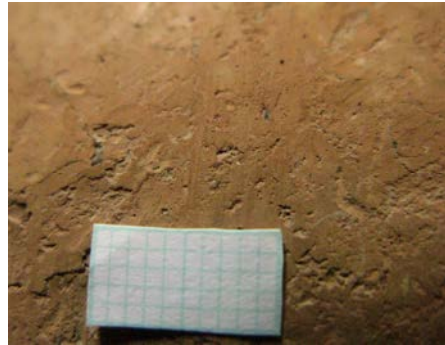


CP 2930: Interior surface

Figure 3.17: Burnished while still wet



CP 2922: Exterior surface



CP 2928: Exterior surface

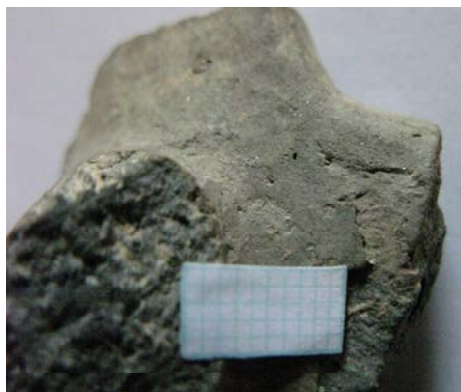
Figure 3.18: Slipped



CP 2921: Interior surface



CP 2926: Interior surface



CP 2925: Exterior surface

Figure 3.19: Comparison between Fabric groups and firing types

Firing types	Fabric groups	Specimen references	No of specimens
Type 1A1	Groups 1A-B	CP 2928 CP 130 ? CP 2930 CP 337 ?	9
Type 1A2	Groups 1A-B	CP 2922 CP 2923 CP 2929	
	Group 3	CP 2775 CP 2920	
Type 1B1	Group 1A Group 2	CP 336 CP 2925 CP 2926 CP 2927	
Type 1B2	Group 2	CP 2921	5
Type 2	Group 4	CP 2919	

Figure 3.20: Comparisons fabric groups-interior finish quality

Interior finish quality	Low	Medium	High
Fabric Group 3	CP 2775 CP 2920		
Fabric Group 1A	CP 2928	CP 2922 CP 2923 CP 130 CP 336	
Fabric Group 1B	CP 2929 CP 2930		CP 337
Fabric Group 2		CP 2926	CP 2921 CP 2927 CP 2925
Fabric Group 4			CP 2919

Figure 3.21: Comparisons firing types-interior finish quality

Interior burnishing quality	Low	Medium	High
Firing type 1A1	CP 2928 CP 2930	CP 130	
Firing type 1A2	CP 2929 CP 2775 CP 2920	CP 2922 CP 2923	
Firing type 1B1		CP 336 CP 2926	CP 2927 CP 2925
Firing type 1B2			CP 2921
Firing type 2			CP 2919

Figure 3.22: Comparison burnish and size of vessels

Interior burnishing quality	Low	Medium	High
Small vessels		CP 2926	CP 2921 CP 2927 CP 2925
Medium vessels	CP 2929 CP 2928 CP 2930		CP 337
Large vessels	CP 2775 CP 2920	CP 2922 CP 2923 CP 130 CP 336	CP 2919

Figure 3.23: Comparisons fabric groups, firing types and interior finish quality

Specimens referenc es	Fabric group s	Firing typ es	Interior finish quality	Vessel sizes
CP 337	1B	1A	High	Medium
CP 2920	3	1A	Low	Large
CP 2775				
CP 2930	1B	1A	Low	Medium
CP 2929				
CP 2928	1A			
CP 130	1A	1A	Medium	Large
CP 2922				
CP 2923		1B		
CP 336				
CP 2926	2	1B	Medium	Medium
CP 2927			High	Small
CP 2925				
CP 2921				
CP 2919	4	2	High	Large

Pilot Study of HBW comparisons²

² Illustrations also presented in: *CD-ROM, PDF file 3.4.*

All photographs presented in this section have been taken by the author.

Figure 3.24: Athens Agora HBW (P 15531)



Exterior surface



Fracture

Korakou Group 4



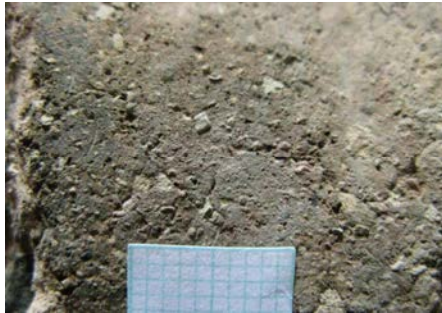
Exterior surface



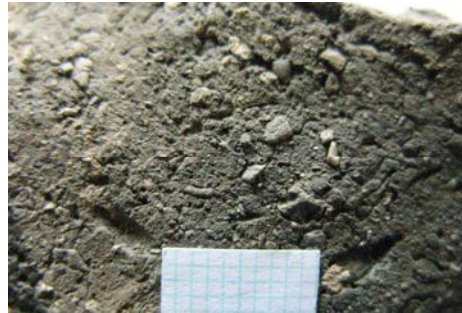
Interior surface

Figure 3.25: Corinth handmade pottery

Figure 3.25a: Observations related to the fabric consistency



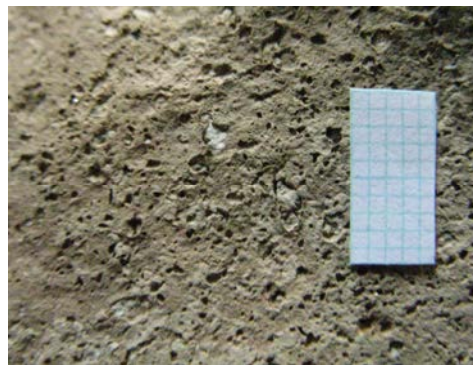
Exterior surface
Corinth: No. 75 265 10



Interior surface
Corinth: No. 75 266 8



Corinth: No. 75 263 4



Interior surface

Korakou group 3: CP 2920

Figure 3.25b: Observations related to the firing conditions

No. 75 327

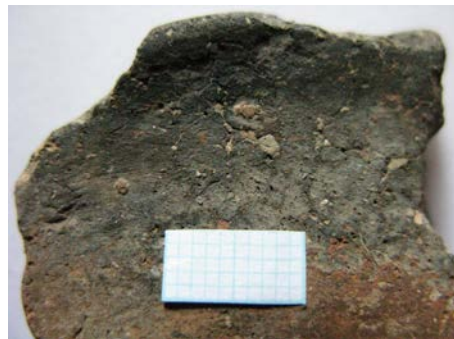


Interior surface



Fracture

No. 75 265



Exterior surface



Figure 3.25c: Observations related to the quality of finishing



No. 75 327: Handle



No. 75 266 8: Exterior surface

Figure 3.26: Lefkandi HBW

Figure 3.26a: Observations related to the fabric and to the firing conditions



Handle



Exterior surface, bottom

"Italian" cup (65/P107)



Exterior surface



Fracture

Rounded jar (69/P17)

Figure 3.26b: Observations related to the quality of craftsmanship



"Italian" cup: Exterior surface

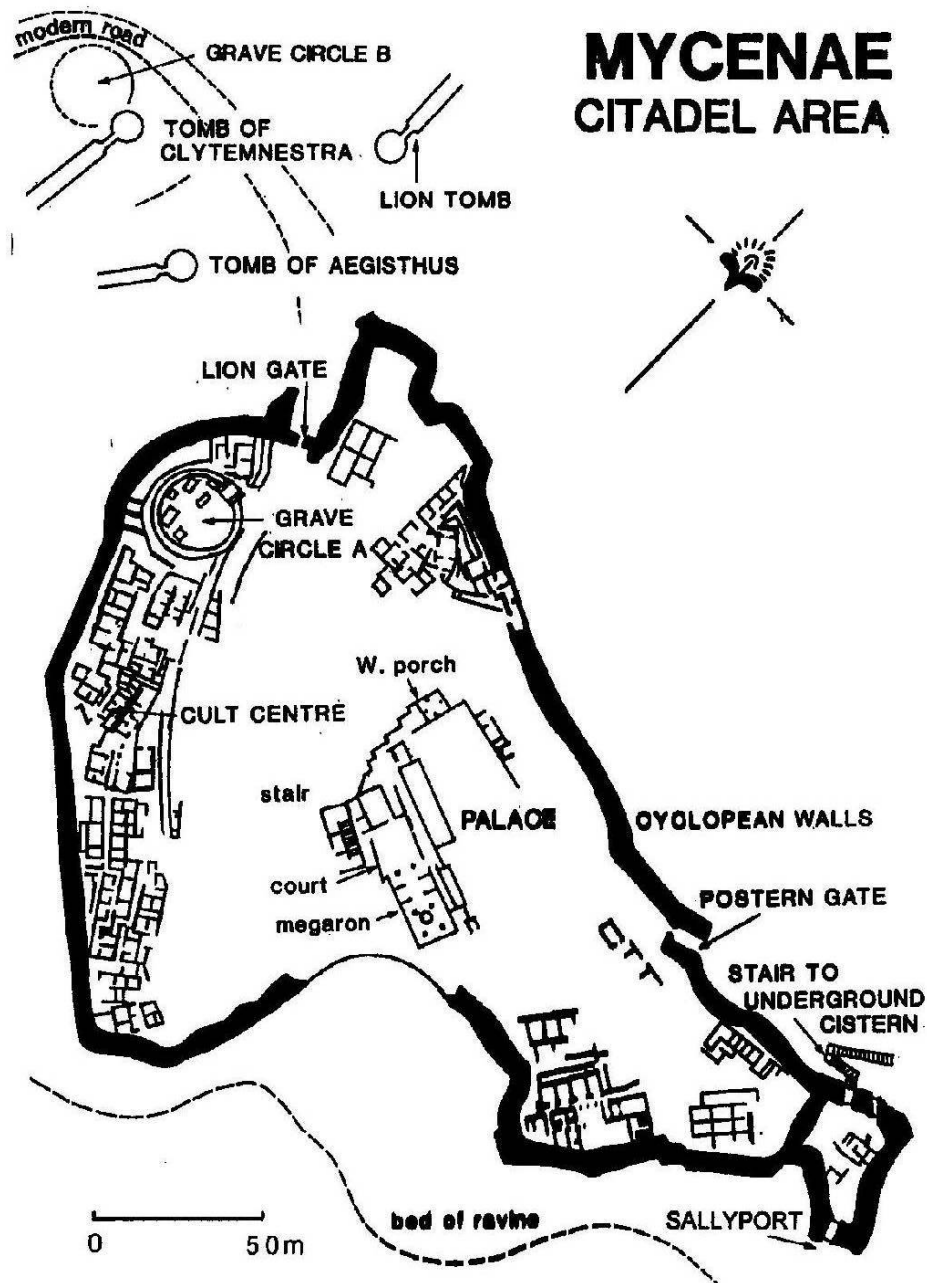


Rounded jar: Interior surface

Chapter 4:

HBW from Mycenae

Figure 4.1: Map of the location of the Cult Centre in the site of Mycenae



(From K.A. and D. Wardle 2000: fig.4)

Figure 4.2: Data table concerning the Mycenae Archive notebooks selected and the quantity of HBW counted

Mycenae Archives	Trench/ Year of excavation	Total quantity of units ¹	Quantity of units seen		Quantity of units seen with HBW		% of units with HBW ²		Quantity HBW sherds certain	Quantity HBW sherds uncertain		
3090	G23'64	238	? ³		9				16	9		
	G23'66	131	?		12				26	12		
3091	G23'68	121	?		9				9	8		
3095	G32'69 I	402	61	244	32	58	41	24	49	5		
3096	G32'69 I		17		15		12		18	9		
3097	G32'69 II		125						10	4		
3098	G32'69 III		41		11		27					
3099	GMB'68	196	117		56		48		194	42		
3100	GMBW'68 I	324	121	181	47	57	39	31	121	12		
3101	GMBW'68 II		60		10		17		33	1		
Total					201				476	102		

(Based on my own count of Mycenae Archives, provided by E. French and K. Wardle).

¹ For the Trench/year concerned, based on the count of the units in the excel file of Mycenae phasing.

² Based on the units seen only.

³ I didn't write down the total quantity of units seen for these 3 notebooks.

Figure 4.3: Map of Cult Centre with areas of excavation



(From WBM 1: Plan 2)

Figure 4.4: Mycenae Chronological phasing and codes

A) Phase Codes (The first two digits of each code denote phase, the second two context within phase)

01..	Neolithic	= I	in Fasc. 1 p. 7
02..	Early Helladic	= II	in Fasc. 1 p. 8
03..	Middle Helladic	= III	in Fasc. 1 p. 8
04..	Prehistoric cemetery (MH > LH II)	= IV	in Fasc. 1 p. 8
05..	LH IIIA	= V	in Fasc. 1 p. 8
06..	Terrace fill below LH IIIB structures	= VI	in Fasc. 1 p. 8
065..	Construction in LH IIIB	= VIB*	
07..	Destruction in mid-LH IIIB, ? as a result of earthquake	= VII	in Fasc. 1 p. 9
08..	Destruction at end of LH IIIB 2, with widespread fire	= VIII	in Fasc. 1 p. 10
09..	Early LH IIIC	= IX	in Fasc. 1 p. 11
10..	Early-Tower phases of LH IIIC	= X	in Fasc. 1 p. 11
11..	Advanced and developed phases of LH IIIC	= XI	in Fasc. 1 p. 11
12..	Wash levels and graves, final LH IIIC, Sub-Mycenaean, Protogeometric		
13..	Geometric > Classical	= XIII	in Fasc. 1 p. 11
14..	Hellenistic	= XIV	in Fasc. 1 p. 11
15..	Surface		

* *Not separately described in Fasc. 1*

B) Contexts within Phases

(These codes have been applied as consistently as possible regardless of phase but variations will arise depending on the stratigraphic circumstances of each. The order is where possible a logical one, but already the study of individual phases has required the introduction of additional definitions. For simplicity, these have been allotted to vacant codes without changing those already determined.)

..00	Apparently this phase, (often not yet studied)		
..05	Deliberate infill		
Construction			
..10	Not further subdivisible	..11	Fill below floors
..12	In walls/built features	..13	Below walls/features
..14	Fill behind walls	..15	In floor 1
..16	In beam slots or cuttings	..17	In (fallen) ceiling/upper floor
..18	Levelling/terracing below walls & floors	..19	Deliberate foundation deposit
Use/Alterations			
..20	General (not further definable)	..21	On floor 1 and in drains
..22	Between floor 1 and 2	..23	On floor 2
..24	Between floor 2 and 3	..25	In floor 2
..26	On floor 3	..27	Accumulated debris
..28	Accumulated debris in secondary context	..29	Deliberate pit-fill
Destruction/Abandonment			
..30	General	..31	Floor deposit
..32	Initial collapse including earth and mudbrick	..33	Calcined debris
..34	Upper fill	..35	Later collapse and wash
..39	Destruction debris in secondary context		

(From WBM 10: 85)

Disuse

..40

Disturbance

..49

(Codes from ..50 will be used, if necessary, for chronological divisions of phases already defined. E.g. 0661 = fill below floors of phase 065 [VIB]).

C) Abbreviations for Periods and Pottery Ranges

Neo	Neolithic	EH	Early Helladic
MH	Middle Helladic	I	Late Helladic I
II	Late Helladic II	A1	Late Helladic IIIA 1
A2	Late Helladic IIIA 2	B1	Late Helladic IIIB 1
B2	Late Helladic IIIB 2	Ce	Late Helladic IIIC Early
Ct	Late Helladic IIIC Tower	Cd	Late Helladic IIIC Developed
Ca	Late Helladic IIIC Advanced	Cf	Late Helladic IIIC Final
SM	Sub-Mycenaean	PG	Protogeometric
Geom	Geometric	PCor	Protocorinthian
Arch	Archaic	Class	Classical
Hell	Hellenistic	PM	Post-Mycenaean

The following abbreviations apply to pottery only:

XS Surface, useless for dating
Y Undiagnostic and datable only by context

XM Mixed

e.g.

XS(MH) Surface but chiefly MH
Y(?MH) Undiagnostic but possibly with MH

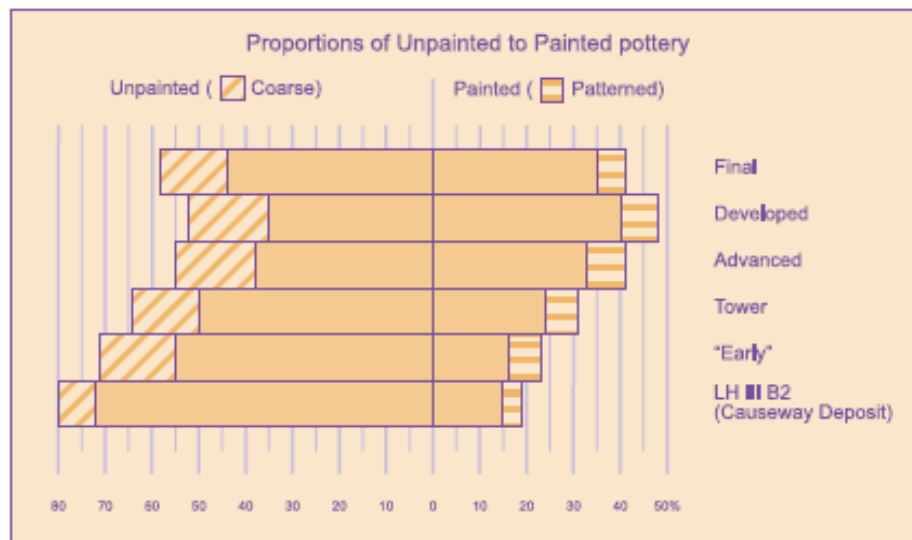
XM(MH) Mixed but chiefly MH

All pottery is recorded with a total span (*i.e.* Neo > Hell) with note of important components or points of special interest.

Note: LH IIIC Early phase and part of Tower phase now equal LH IIIC *early* in P.A. Mountjoy, *Mycenaean Decorated Pottery (MDP)* pp. 134–54. The rest of LH IIIC Tower phase and Developed and Advanced phases now equal LH IIIC *middle* in *MDP* pp. 155–80. LH IIIC Final phase now equals LH IIIC *late* in *MDP* (NB. her definition of LH IIIC late and Sub-Mycenaean p. 181).

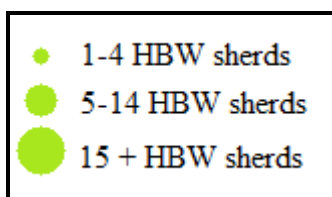
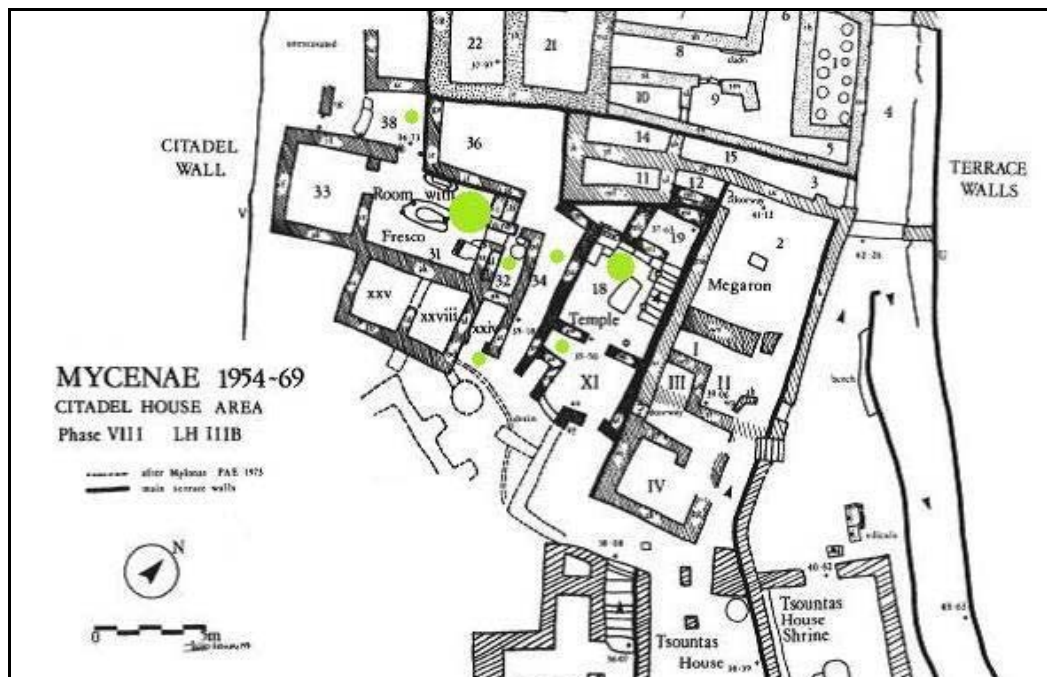
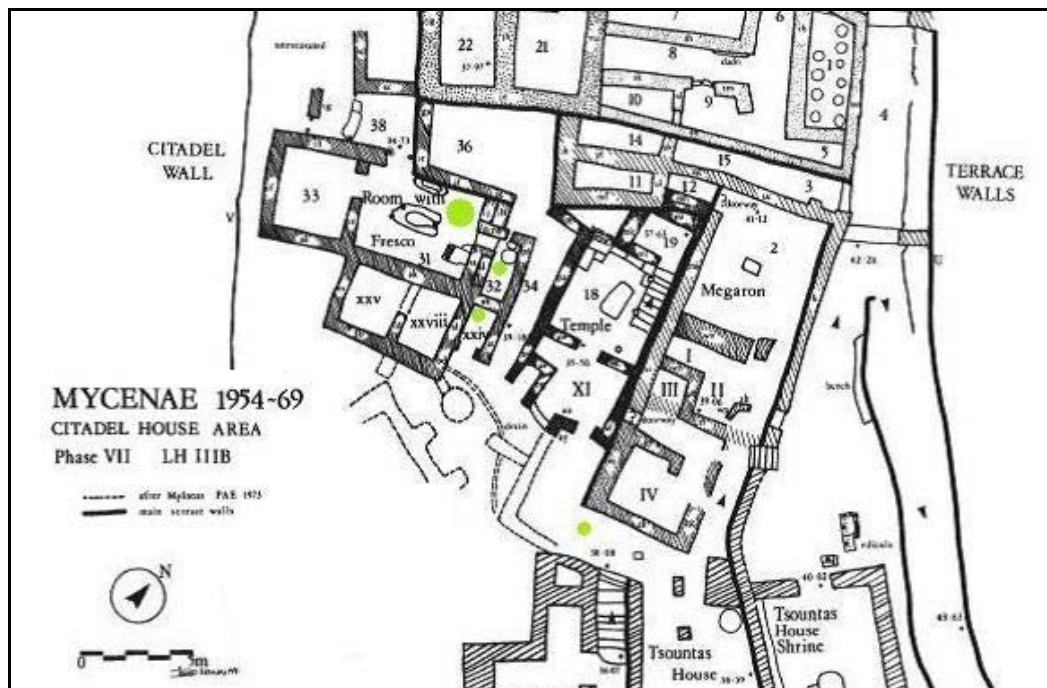
(From WBM 10: 86)

Figure 4.5: Diagram of painted and unpainted pottery proportions of Mycenae sampling in: Sherratt 1981



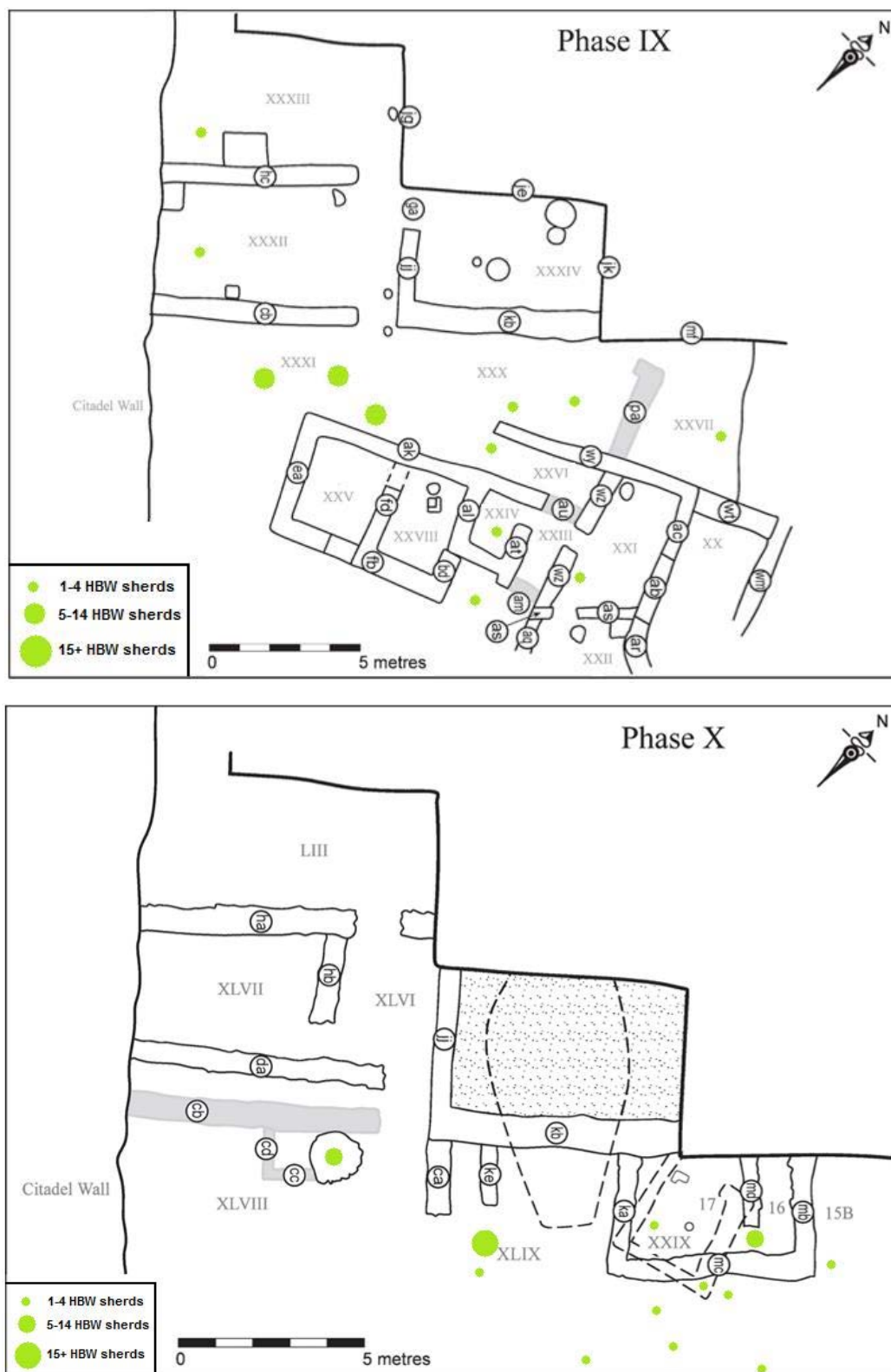
(From WBM 16/17: CD-ROM 826, graph 4)

Figure 4.6a: Cult Centre maps of phases VII and VIII with areas where HBW has been found



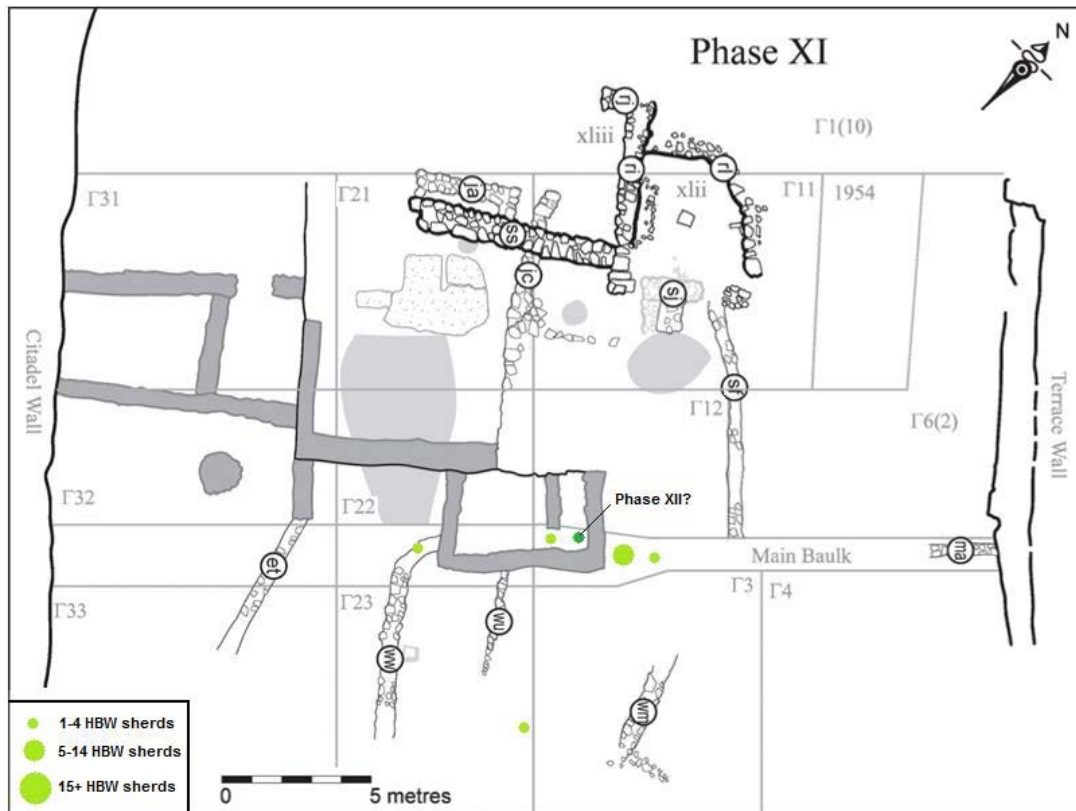
(Maps provided by K. Wardle, with additional information)

Figure 4.6b: Cult Centre maps of Phases IX and X with areas where HBW has been found



(Maps from: WBM 16/17: figs. 1-2, with additional information)

Figure 4.6c: Cult Centre map of Phases XI-XII with areas where HBW has been found



(Maps from: WBM 16/17: fig. 3, with additional information)

Figure 4.7a: Quantitative and chronological table of Mycenae HBW, proportion of present sample

Period	LH IIIB				LH IIIC					Post-Mycenaean?			
Phase ⁴	VII	VII/ VIII	VIII	VIII / IX	IX	IX/ X	X	X/ XI	XI	XII	IX/ XIII	XI/ XIV	XIV
Quantity total units	72	26	354	20	188	29	158	20	172	3	2	54	29
Quantity units seen ⁵	38	19	>172	>3	>66	>14	>72	>7	>55	3	2	54	29
Quantity units with HBW ⁶	8	3	39	3	28	4	32	4	32	3	1	24	16
% of units seen	52.8	73.1	48.3	15	35.1	48.3	45.6	35	32	100	50	100	100
HBW as % of total units	11.1	11.5	11	15	14.9	13.8	20.3	20	18.6	100	50	44	55.2
HBW as % of units seen	21	15.8	22.7	100	42.4	28.6	44.4	57.1	58.2	100	100	44	55.2

(Based on my own count of the Mycenae Archives, provided by E. French and K. Wardle).

⁴ According to the information taken from the Mycenae phasing excel list provided by E. French and K. Wardle. Some units have been give two phases and they are kept separately in the table.

⁵ In some cases, I haven't counted the amount of units seen. The sign ">" means that the quantity indicated is the lowest amount seen.

⁶ From units records examined and on the basis of the pottery study undertaken by the Mycenae excavation team under the supervision of E. French.

Figure 4.7b: Quantitative and chronological table of Mycenae HBW, proportion and evolution of HBW

Period	LH IIIB				LH IIIC					Post-Mycenaean?			
Phase ⁷	VII	VII/ VIII	VIII	VIII/ IX	IX	IX/ X	X	X/ XI	XI	XII	IX/ XIII	XI/ XIV	XIV
Quantity HBW sherds uncertain	8	0	11	0	18	1	5	3	28	0	0	10	19
Quantity HBW sherds certain	3	4	81	8	36	4	78	15	84	19	1	56	82
HBW max.	11	4	92	8	54	5	83	18	112	19	1	66	101
Total all pottery ⁸	2198	895	12008	1717	7158	331	4896	1123	4637	172	131	2617	2674
% mini. HBW of total pottery	0.14	0.45	0.67	0.47	0.50	1.21	1.60	1.33	1.81	11.05	0.76	2.14	3.07
% max. HBW of total pottery	0.50	0.45	0.77	0.47	0.75	1.51	1.70	1.60	2.42	11.05	0.76	2.52	3.78
% mini. HBW of total HBW	0.64	0.85	17.2	1.70	7.64	0.85	16.56	3.18	17.8	4.03	0.21	11.89	17.41
% max. HBW of total HBW	1.92	0.70	16.03	1.39	9.41	0.87	14.46	3.14	19.5	3.31	0.17	11.50	17.60

⁷ According to the information taken from the Mycenae phasing excel list provided by E. French and K. Wardle. Some units have been give two phases and they are kept separately in the table.

⁸ From units examined only.

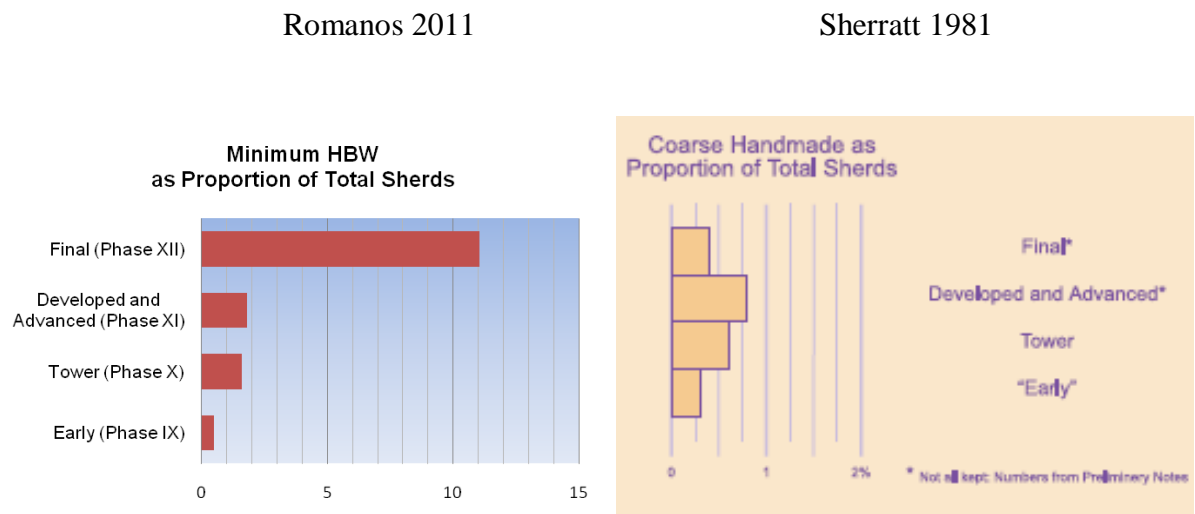
**Figure 4.8a: Comparisons of samples studied
between Sherratt 1981 and Romanos 2011**

Areas	Sherratt 1981	Romanos 2011	
			%
G32'64/66	104	21	3.7
G32'69		236	41.8
G23'68		9	1.6
GMBW'68		181	32.1
GMB'68		117	20.7

Phases	Sherratt 1981		Romanos 2011	
		%		%
VII			46	8.2
VIII			206	36.5
IX	46	44.2	87	15.4
X	28	26.9	70	12.4
XI	22	21.2	54	9.6
XII	8	7.7	3	0.5
XIV/XI			93	16.5
undetermined			5	0.9

TOTAL	104	564
--------------	------------	------------

Figure 4.8b: Diagrams of comparisons of Mycenae HBW proportion on total pottery between Sherratt 1981 and Romanos 2011



(Based on the information presented in: [Figure 4.7])

(From WBM 16/17: CD-ROM 827, graph 6)

Figure 4.9a: Diagram of HBW proportion on total pottery quantity per phase

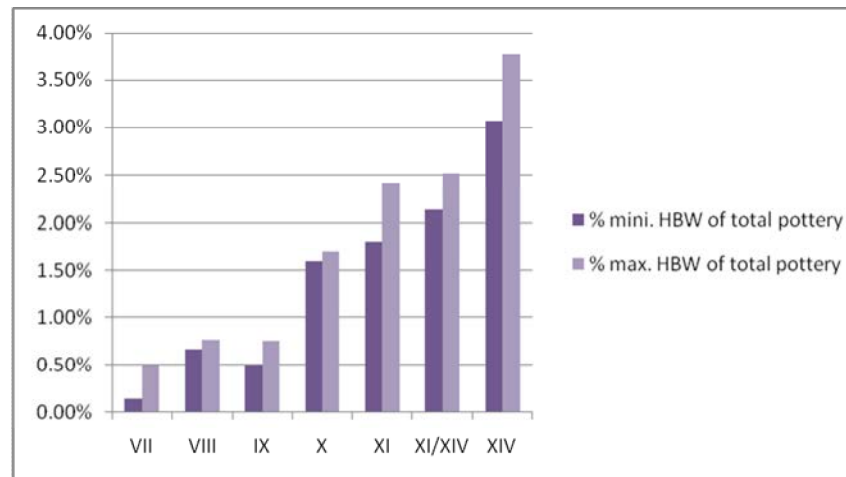
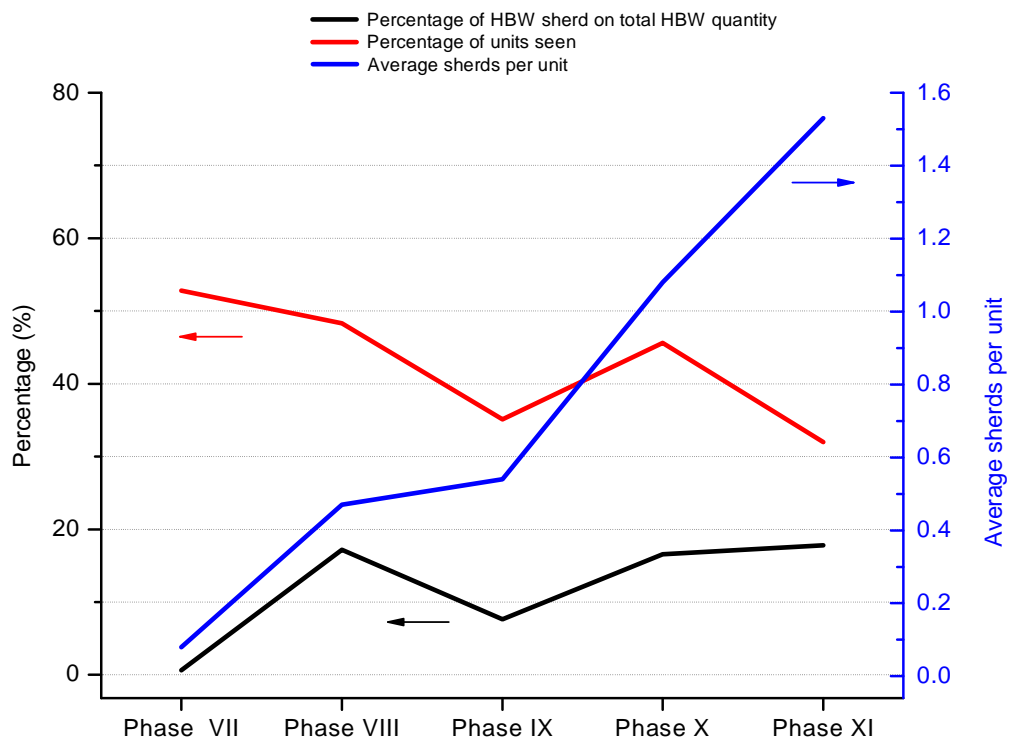


Figure 4.9b: Diagram of HBW quantitative evolution per phase



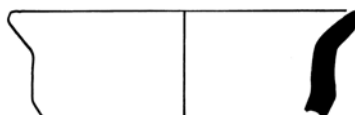
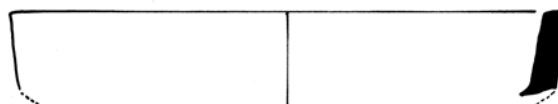
Percentage of HBW sherds on total HBW quantity: based on count of minimum HBW quantity from [Figure 4.7b]

Percentage of units seen: from [Figure 4.7a]

Average sherds per unit: based on the division of quantity of HBW sherds by the quantity of units seen, both quantities from [Figure 4.7]

Figure 4.10: Mycenae HBW, Carinated vessels (T1)⁹

Carinated vessels ?



G32'69/107 HBW1
GMBW'68/240 HBW1

Lamp ?

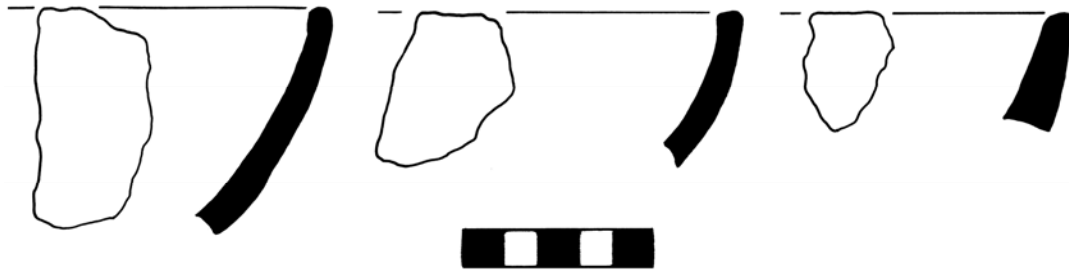


GMBW'68/156 HBW1

⁹ All drawings (except mentioned otherwise) were made on the basis of E. French drafts taken from the Mycenae Archives, with addition of other half when the diameter was given.

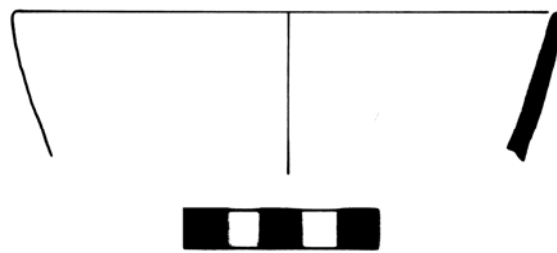
Figure 4.11a: Mycenae HBW, Bowls (T3)

Bowls with rounded body (T3 C1)



G23'64/198 HBW1 (pilot study) G23'66/110 HBW3 (pilot study) G23'64/178 HBW1 (pilot study)

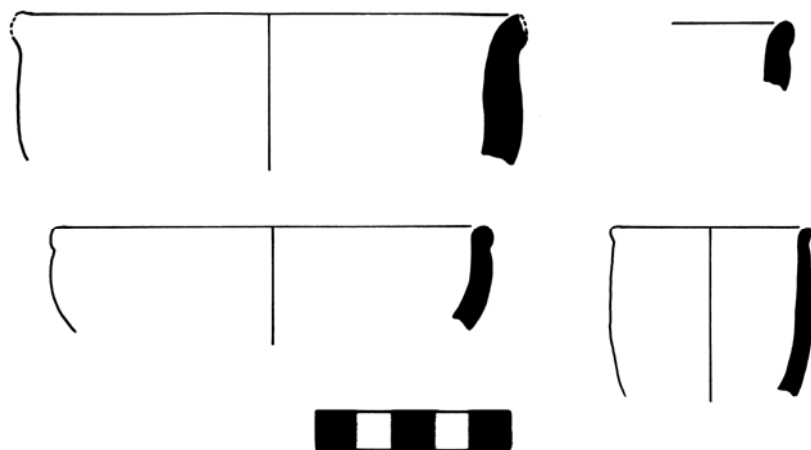
Bowls with conical body (T3 C4)



GMBW'68/006 HBW1

Figure 4.11b: Mycenae HBW, Bowls/Cups?

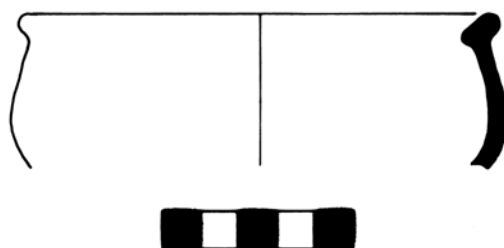
Cup/dipper ?



G32'69/165 HBW1
GMBW'68/240 HBW2

G32'69/078 HBW1
GMB'68/052 HBW2

Bowl with T-shaped rim



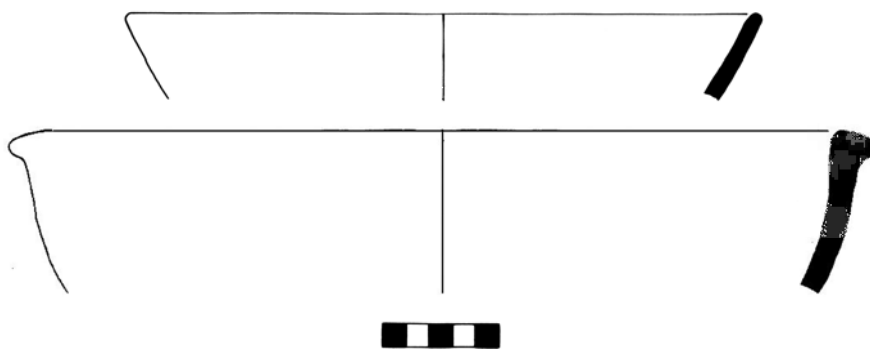
GMB'68/028 HBW1

Figure 4.12: Mycenae HBW, Kylix



G23'68/038 HBW1¹⁰ (pilot study)

Figure 4.13: Mycenae HBW, Basins (T4)?

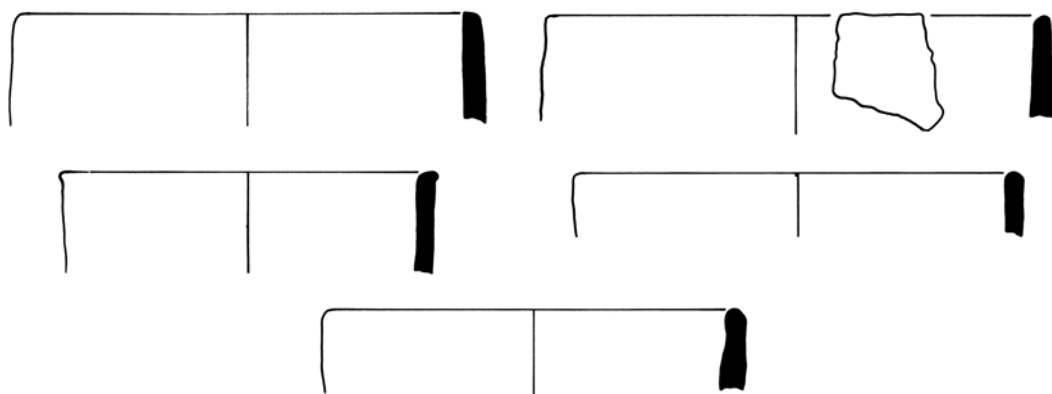


GMB'68/060 HBW1
GMBW'68/133 HBW1

¹⁰ Drawing by the author.

Figure 4.14: Mycenae HBW, Buckets (T5)

Medium straight-sided buckets (T5C C4)

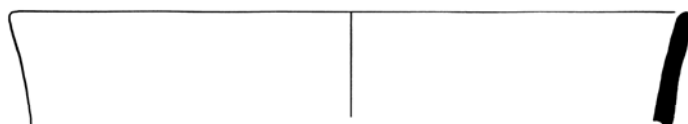


G32'69/033 HBW1
GMBW'68/112 HBW2

G23'64/135 HBW1(pilot study)
GMBW'68/030 HBW1

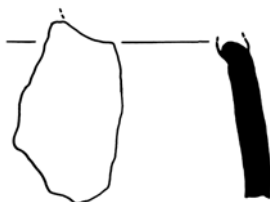
G32'69/110 HBW1

Conical buckets (T5A C1)



GMBW'68/134 HBW1

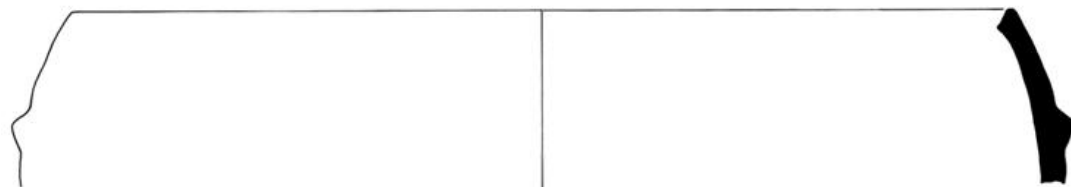
Situla? (T5B)



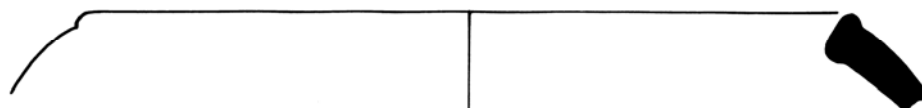
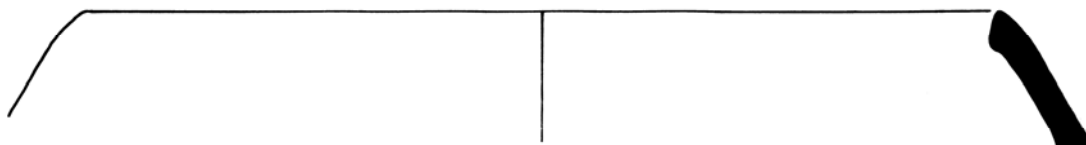
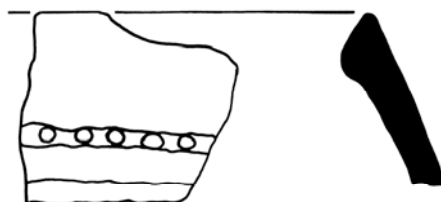
G23'64/221 HBW1 (pilot study)

Figure 4.15a: Mycenae HBW, Wide-mouthed jars (T6A)

Wide-mouthed jars (T6A C1)



GMBW'68/154 HBW1



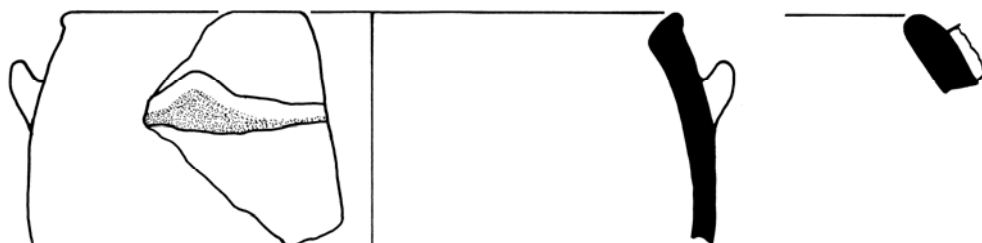
GMBW'68/147 HBW1

GMBW'68/192 HBW1

GMB'68/101 HBW2

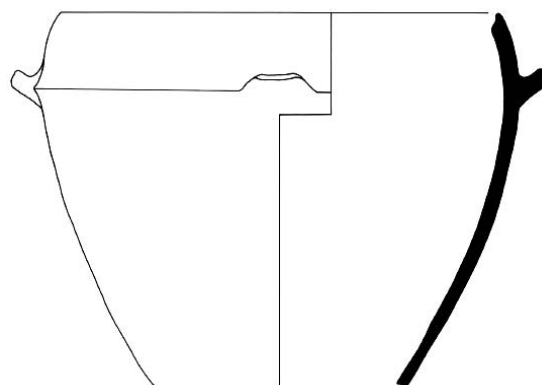
Figure 4.15b: Mycenae HBW, Wide-mouthed jars (T6A)

Wide-mouthed jars with lug/horn handles (T6A C3)

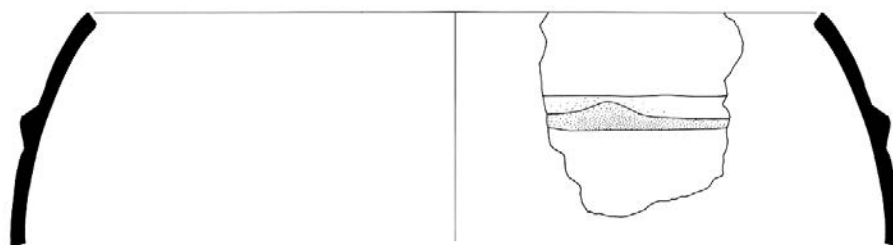


GMB'68/101 HBW1

G32'69/103 HBW2



64-456¹¹ Scale 1:4 (pilot study)



64-455¹² Scale 1:4 (pilot study)

Wide-mouthed jars with slight everted rim



GMB'68/027 HBW1

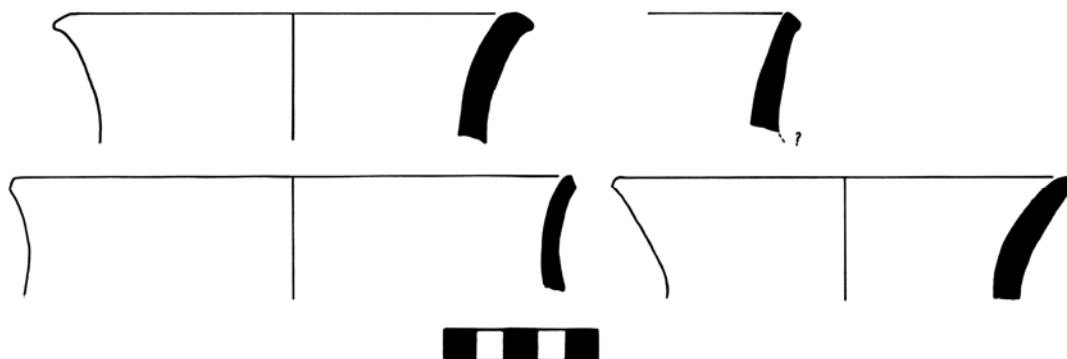
G23'64/173 HBW1 (pilot study)

¹¹ From WBM 16/17: CD-ROM, with addition of other half.

¹² From WBM 16/17: CD-ROM, with addition of other half.

Figure 4.16a: Mycenae HBW, Collared jars (T7A)

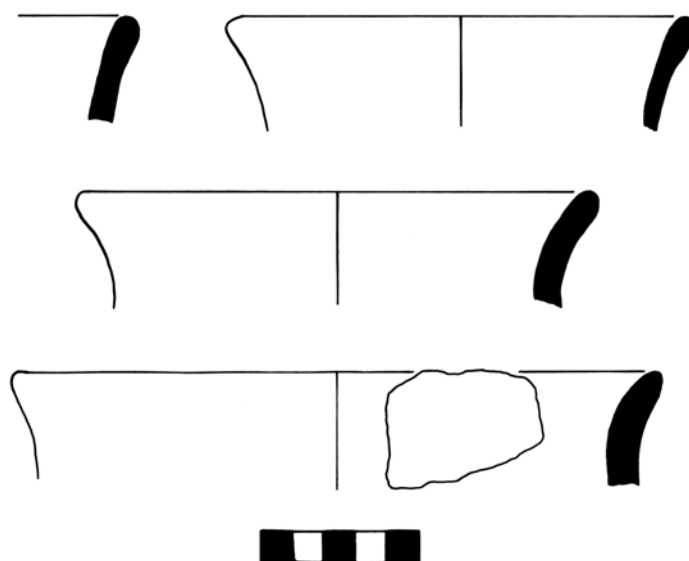
Collared jars with slightly down-sloping or tapered rim



GMBW'68/111 HBW1
GMBW'68/112 HBW1

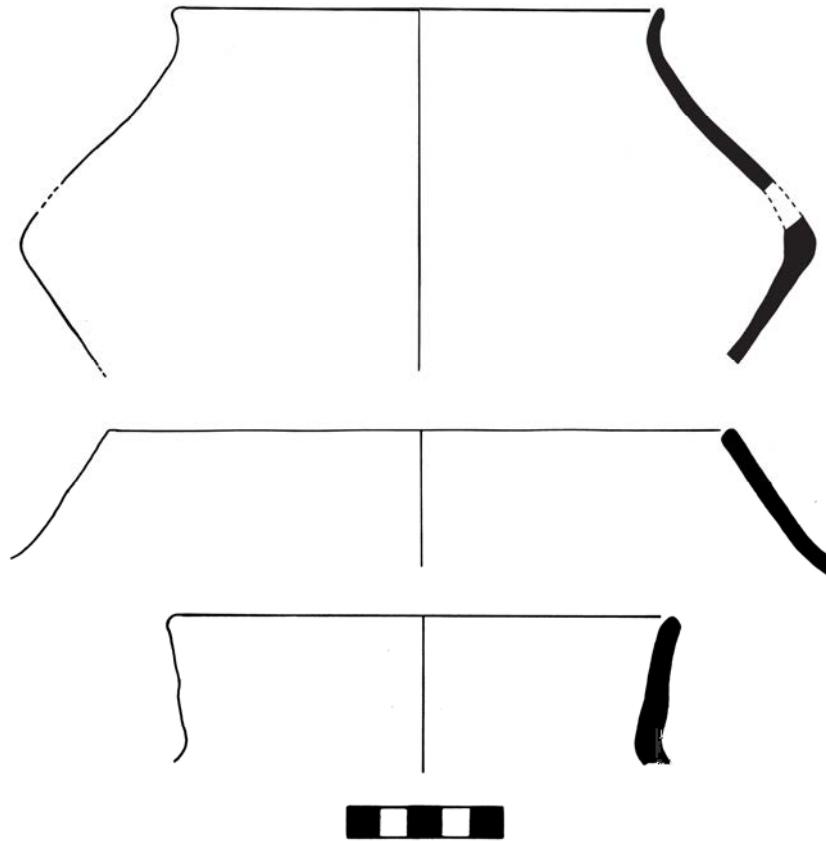
G32'69/130 HBW1
G32'69/006 HBW1

Collared jars with rounded rim



GMBW'68/014 HBW1
GMB'68/052 HBW1
G23'66/252 HBW1 (pilot study)
G23'66/110 HBW2 (pilot study)

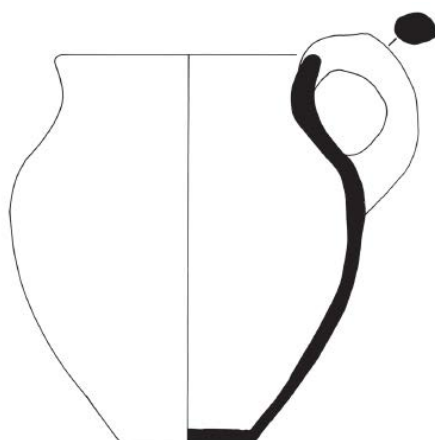
Figure 4.16b: Mycenae HBW, Collared jars (T7A) with particularities



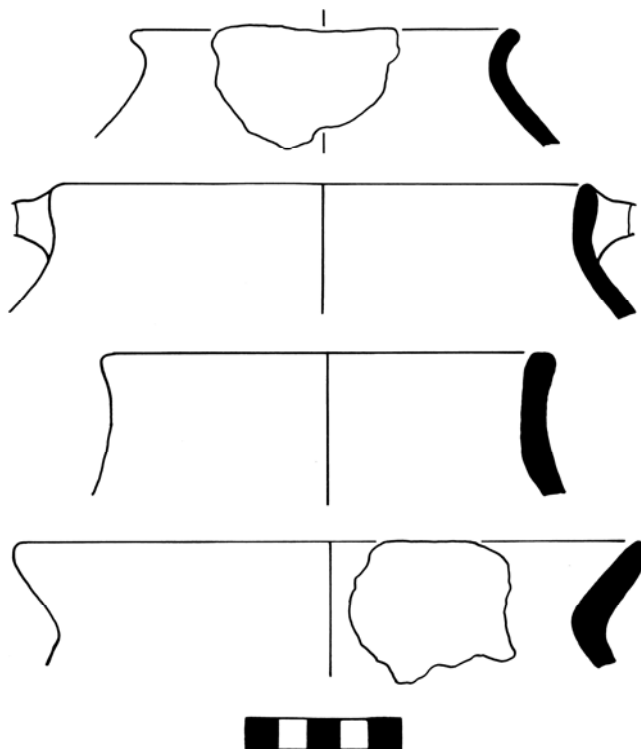
68-423¹³ (pilot study)
GMB'68/039 HBW2
G32'69/105 HBW1

¹³ Illustration provided by E. French and R. Andrew, with addition of other half.

**Figure 4.16c: Mycenae HBW: Collared jars with handles (T7B)
cooking pot jars?**



66-480¹⁴ Scale 1:3 (pilot study)



G23'64/173 HBW2 (pilot study)

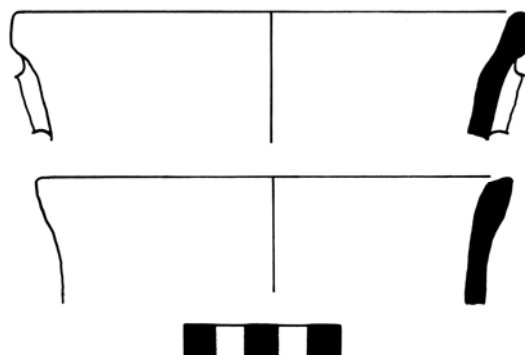
GMB'68/108 HBW1

G32'69/106 HBW1

G23'66/110 HBW1 (pilot study)

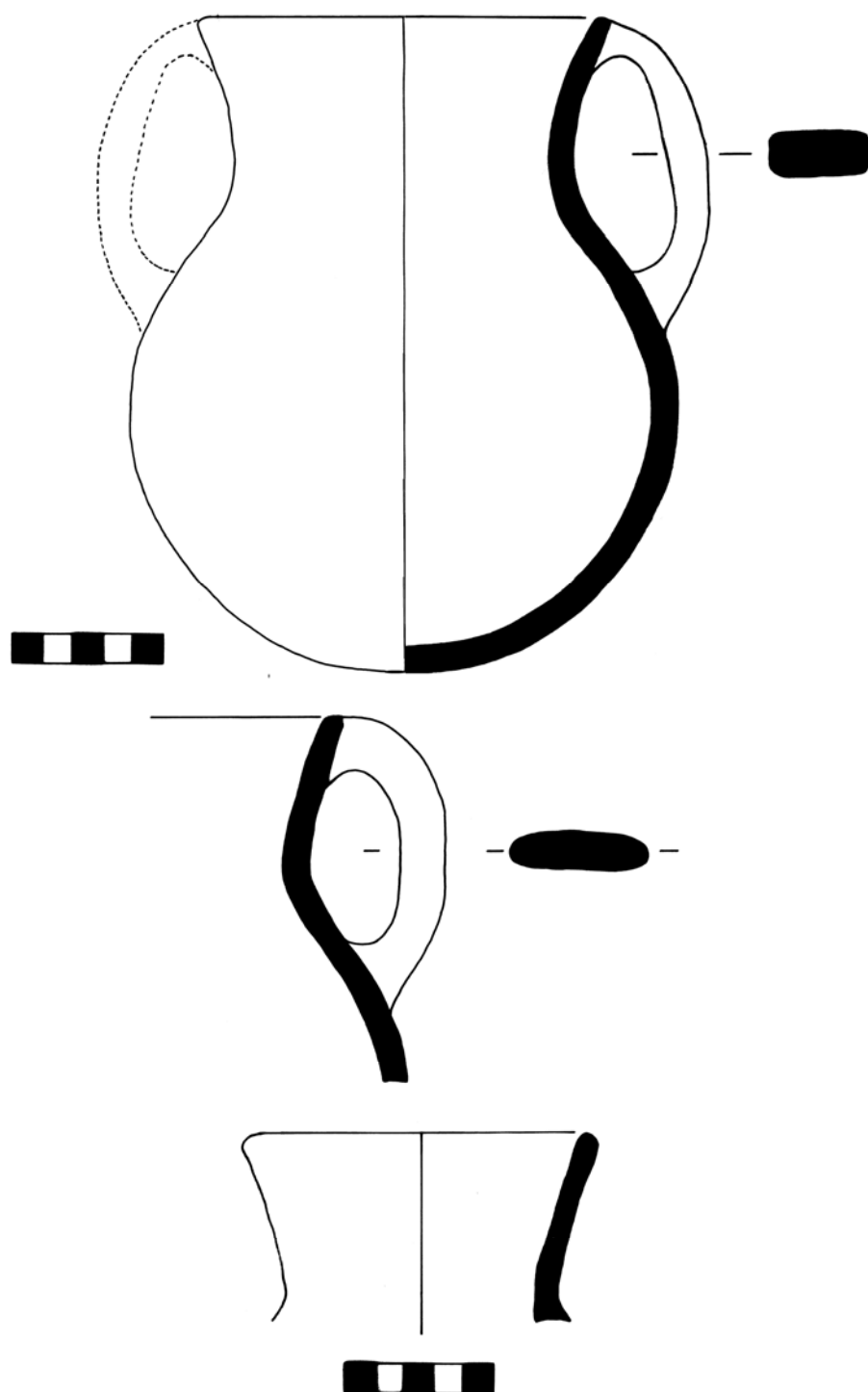
¹⁴ From WBM 16/17: CD-ROM, with addition of other half.

Figure 4.16d: Mycenae HBW, Collared jars with handles (T7B): amphorae?



GMB'68/087 HBW1
GMB'68/055 HBW1

Figure 4.16e: Mycenae HBW, Collared jars with handles (T7B): jugs?



60-461¹⁵ (pilot study)
GMB'68/063 HBW1
GMB'68/039 HBW1

¹⁵ Drawing by the author.

Figure 4.16f: Mycenae HBW, Other types of collared jars?



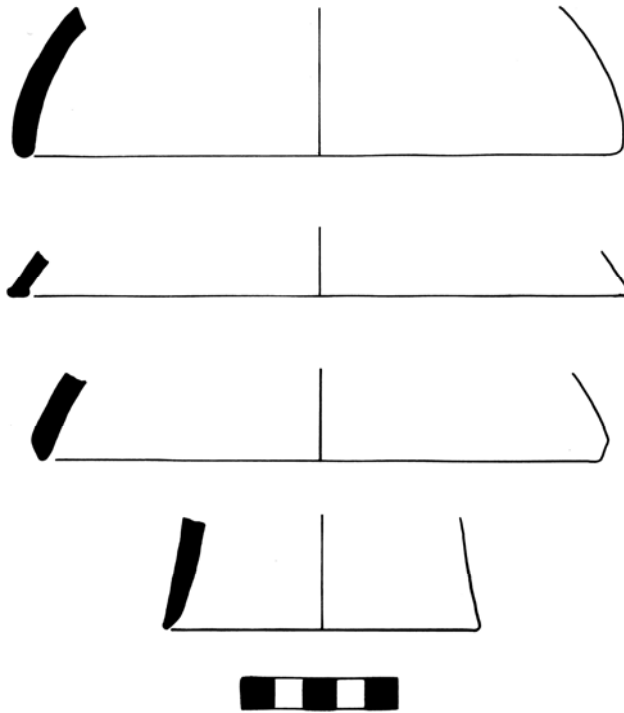
G23'68/152 HBW1 (pilot study)

G32'69/080 HBW1

GMBW'68/052 HBW1

Figure 4.17: Mycenae HBW, Lids (T8 C1) ?

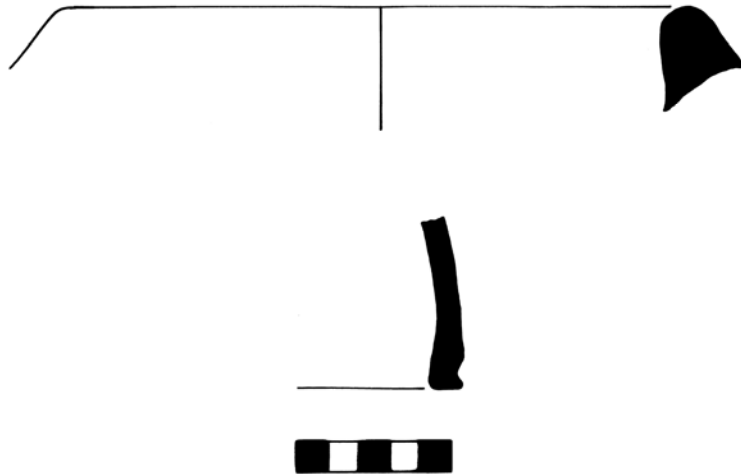
Lids (T8 C1)



G32'69/004 HBW1
G32'69/103 HBW1
G23'66/111 HBW1
GMB'68/073 HBW1

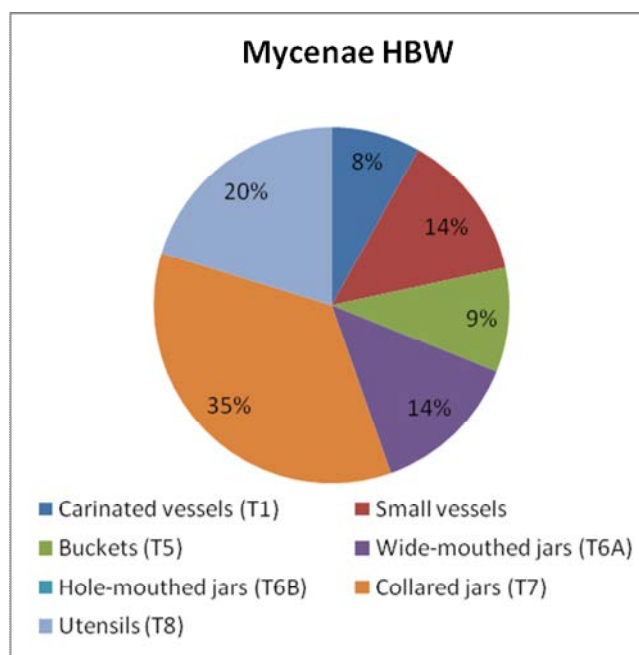
Figure 4.18: Mycenae HBW, Stands (T8 C2) ?

Stands? (T8 C2)



GMBW'68/133 HBW2
GMBW'68/051 HBW1

Figure 4.19: Diagram of proportion of HBW shape types from Mycenae



(Based on the 74 HBW specimens listed in: CD-ROM 4.2)

Figure 4.20a: Chronological distribution of Mycenae HBW shapes

Periods	Phases	Shapes and quantity
LH IIIB (20 specimens)	Phase VII or Phase VIII Early: LH IIIB Mid or Late	2 collared jars 1 carinated vessel 1 cup/dipper 2 buckets: straight
	Phase VIII Late: LH IIIB Late	4 collared jars 2 bowl/lid : conical, round 1 carinated vessel 1 wide-mouthed jar 1 cup/dipper
	Phase VIII Late or Phase IX Early: LH IIIB/C	3 collared jars (1 cooking pot jar?) 2 bowls/lids : rounded, conical
LH IIIC Early (23 specimens)	Phase IX: LH IIIB/C or IIIC Early 1?	2 collared jar (1 cooking pot jar) 2 bowls/lids : rounded 2 carinated vessels 1 wide-mouthed jar 1 cup/dipper 1 kylix
	Phase X: LH IIIC Early 2	3 collared jars 1 bowl/lid : rounded 2 carinated vessels (1lamp?) 4 wide-mouthed jars 1 bucket: conical 1 basin? 1 stand? 1 situal?
LH IIIC Middle to Late (30 specimens)	Phase XI Early or Phase X Late?: LH IIIC Middle?	1 collared jar (cooking pot jar?) 1 bowls/lid : rounded 3 wide-mouthed jars 1 bucket: straight
	Phase XI Late: LH IIIC Middle	8 collared jars (2 cooking pot jars, 2 amphorae?) 3 bowl/lid : conical, rounded 1 carinated vessel 2 buckets: straight 1 basin: conical 2 stands?
	Phase XII?: LH IIIC Late?	2 collared jars
	Phase XIV/XI: LH IIIC Late?	1 collared jar 1 wide-mouthed jar 2 bowls 1 crucible?

(Based on the material presented in: *CD-ROM, Excel table 4.2*)

Figure 4.20b: Geographical and chronological distribution of Mycenae HBW shapes

Phase	Area	Total HBW	Collared jar	Bowl/ lid	Carinated vessel	Cup/dipper	Wide-mouthed jar	Bucket	Other
Phase VII/ Phase VIII Early	Rm 31	36	1		1?	1		1	1?
	Tsountas House A.	1	1						
Phase VIII Late	Rm 18	32	1	1	1	1			
	Rm 31	22	1	1			1?		
	Rm 32	1	1						
	Small Court.	1	1						
Phase VIII/ Phase IX Early	Rm 18	7	3	2					

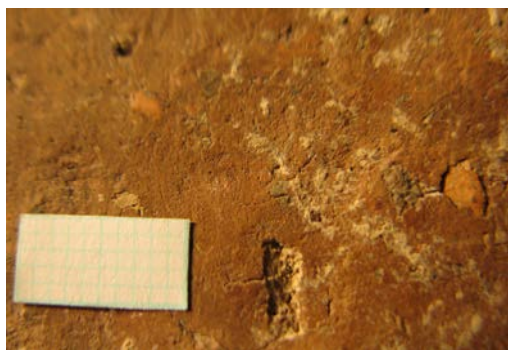
Phase	Area	Total HBW	Collared jar	Wide-mouthed jar	Bowl/ lid	Carinated vessel	Bucket	Bowl	Other
Phase IX	Over Rm 31	10	1	1				1	
	Rm xxiv	3							Kylix
	Over small court	8		1	1	1?			
	Rm xxi	8			1				
	Below Rm xxxii	?				1			
	Rm xxxiii	1?	1						
Phase X	Over Rm xxx	37	1			1??	1		2 basins/ stands?
	Removal of Tower	9	1		1				
	Rm 16	3		2					
	Area 20	6		1					
	Over Rm 31	4		1					
	Over Rm xxi/xx	1	1						
	Rm xxxii	?				1			
	S of Rm 17	1		1					
Phase XI Early	Under Rm li	3		2					
	Over Rm xxi/xx	14	1	1	1?				
	Area lii	1					1		
Phase XI Late	Over Rm xxx	19	1				1		
	Rm at E	1	1						
	Over Rm 17/16	12	1						
	Over Rm xxi	4			2?				
	W of me	31	1						
	Wash by C. wall	?				1			
Phase XII	Over Rm 16	18	2						
Phase XIV/XI	J	17		1				1?	
	Below G	18 2	5		1		1	1	2 stands? Bowl? Crucible?

Chapter 4.4:
Preliminary fabric analysis of Mycenae HBW¹⁶

¹⁶ Illustration also presented in: *CD-ROM, PDF file 4.4*.

All photographs presented in this section have been taken by the author.

Figure 4.21: Presence of rounded reddish to brown inclusions



64-456:
Interior surface



68-423:
Interior surface

Figure 4.22: Presence of dark red angular inclusions

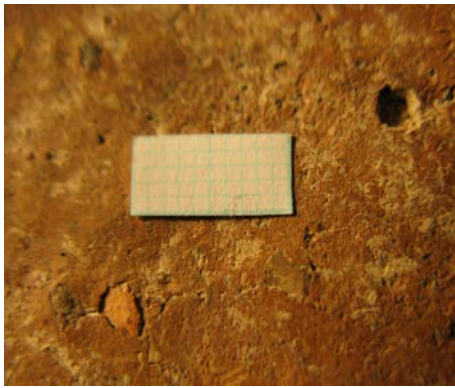


G23'66/110 HBW4 rim:
Interior surface



G23'66/011 HBW handle:
Interior surface

Figure 4.23: Presence of large voids



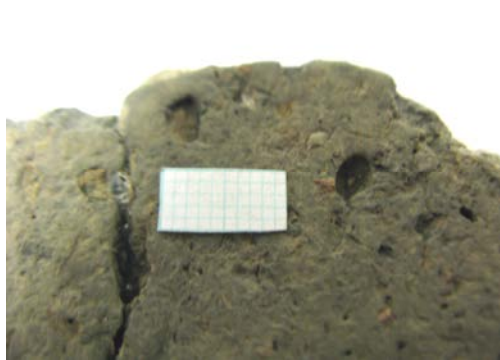
64-456:
Interior surface



68-423:
Interior surface

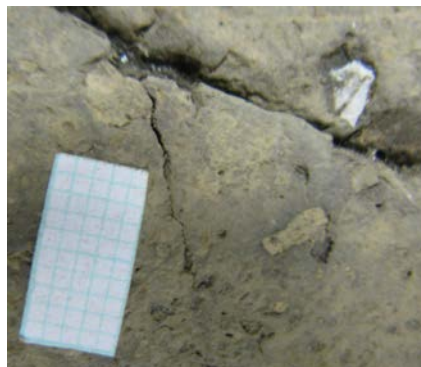
Figure 4.24: Collared jar 68-423

Very large voids



Interior surface

Shell-like inclusion?



Interior surface

Figure 4.25: Presence of white powdery inclusions



G23'66/152 HBW1 bs:
Exterior surface



60-461:
Exterior surface



64-455:
Exterior surface



G23'64/135 HBW1 rim:
Interior surface

Figure 4.26: Very large angular inclusions



G23'64/135HBW1 rim:
Interior surface



66-0480:
Interior surface



G23'68/080 HBW4 bs:
Fracture



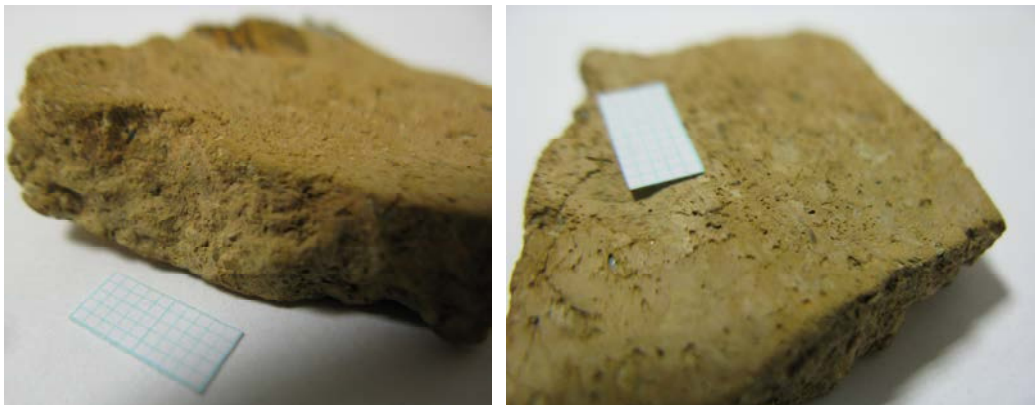
G23'/173 HBW2 rim:
Fracture and interior surface

Figure 4.27: Firing type 1 of Mycenae HBW

Firing type 1



G23'64/173 HBW2 rim:
Fracture with interior surface and exterior surface



G23' /35 HBW1 rim:
Fracture with interior surface and exterior surface

Figure 4.28: Firing types 2 of Mycenae HBW

Firing type 2A



G23'64/143 HBW1 bs:
Fracture with exterior surface and interior surface

Firing type 2B



G23'68/080 HBW1 rim:
Fracture with exterior surface and interior surface

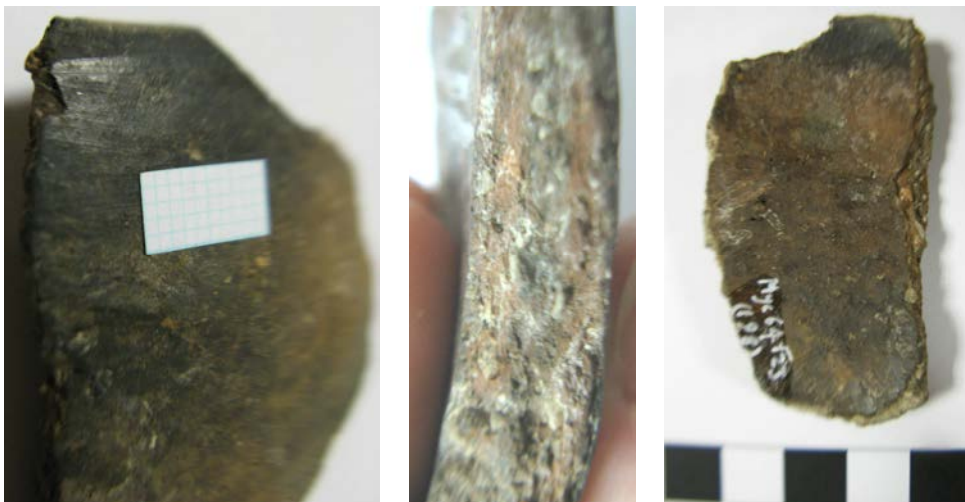
Figure 4.29: Firing types 3 of Mycenae HBW

Firing type 3A



G23'68/038 HBW1 bs:
Fracture with exterior surface and interior surface

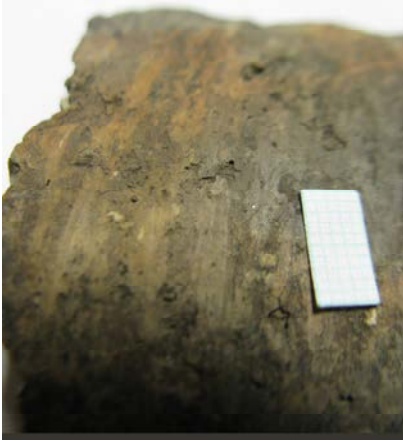
Firing type 3B



G23'64/198 HBW1 rim:
Exterior surface, fracture and interior surface

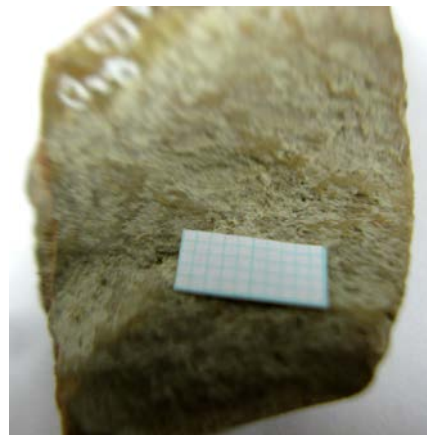
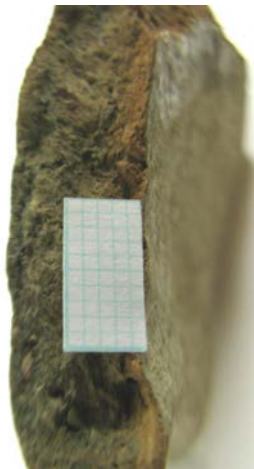
Figure 4.30: Firing types 4 of Mycenae HBW

Firing type 4A



66-0480:
Exterior surface, fracture with interior surface

Firing type 4B



G23'64/221 HBW1 rim:
Exterior surface, fracture and interior surface

Figure 4.31: Firing type 5 of Mycenae HBW



G23'68/080 HBW4 bs:
Fracture with interior surface and interior surface



68-423:
Exterior surface, fracture and interior surface



Figure 4.32: Some firing effects	
Mottled surface	Cracks
 <p>66-0480: Exterior surface</p>	 <p>68-423: Exterior surface</p>

Figure 4.33: Burnish finish group 1

Interior surface

Exterior surface



68-423



G23'64/221 HBW3 bs



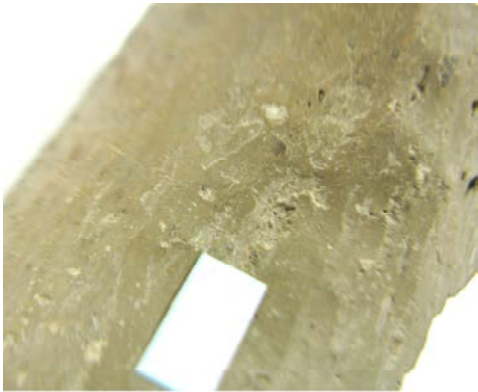

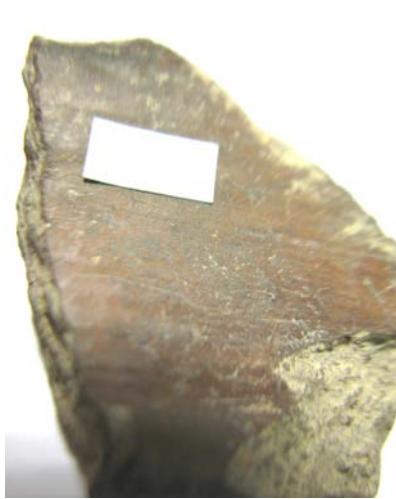
Figure 4.34: Burnish finish group 2	
Interior surface	Exterior surface
	
60-461	
	
G23'66/110 HBW1 rim	

Figure 4.35: Burnish finish group 3

Interior surface

Exterior surface



G23'66/110 HBW3 rim



G23'68/038 HBW1 rim



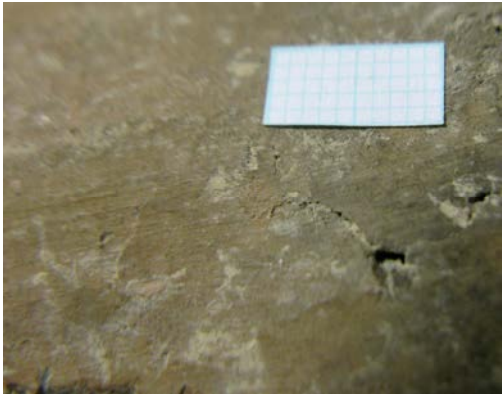


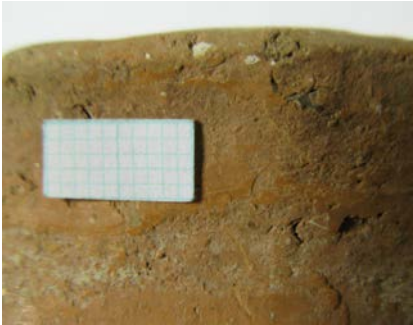
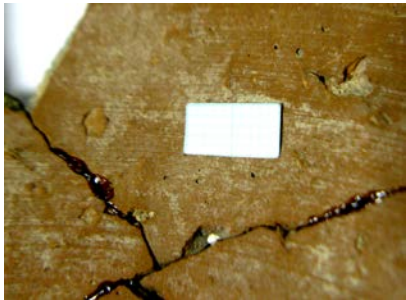
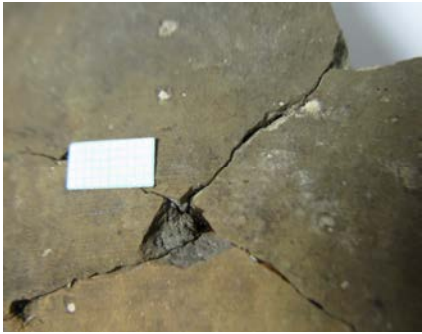




Figure 4.36: Various burnish marks on exterior surfaces	
Wide	Deep grooves
 <p>G23'66/110 HBW4 bs</p>	 <p>G23'64/173 HBW3 base</p>
Straw-like	While clay still wet
 <p>64-456</p>	 <p>66-0480</p>

Figure 4.37: Comparisons between HBW and Mycenaean cooking pot vessels	
HBW 66-0480	Mycenaean ware 68-453
Orangy/red and powdery white inclusions	
 <p>Interior surface</p>  <p>Exterior surface</p>	 <p>Interior surface</p>  <p>Exterior surface</p>
Firing	
 <p>Fracture</p>  <p>Exterior surface</p>	 <p>Fracture</p>  <p>Exterior surface</p>